

**AIRGRAM**

**DEPARTMENT OF STATE**

**UNCLASSIFIED**  
CLASSIFICATION

For each address check one ACTION | INFO

3860367 (20)

56P

DATE REC'D.

PD- AAD-115

DATE SENT

10/27/70

**DISTRIBUTION**  
ACTION

**I-10**  
INFO.

**S**  
**M**  
**STAD**  
**LAPC**  
**SAB**  
**IGR**  
**STATE**

**TO - NEW DELHI AIDTO A- 422**

**FROM - AID/W**

**SUBJECT - Agricultural Inputs Development 386-11-190-367.**

**REFERENCE - PARs as of 12/31/69.**

**I. DELHI**  
**LECTO**

NESA considers this PAR to be a useful statement of the project's progress and problems. It is obviously difficult to draw together the several pieces of this project, but the PAR treatment gives the impression of a shotgun target-of-opportunity approach. In this context, we had some difficulty attempting to determine the impact of specific activities on broad program goals, and relating the PAR's statements on progress to the PROP - but we believe the new format for evaluation (developed by FRY) will go a long way toward improving the situation. In any case, we encourage the Mission to try to develop a more explicit relationship between project targets and program goals.

The PAR does not contain explicit enough information on progress or efforts on the private industry side of input development which was a significant element in the PROP of 6/26/69 and which was stressed in several NESA/W discussions with Mission personnel during consultation. We will expect fuller coverage on this aspect in subsequent PARs.

The PAR refers to some studies of employment consequences of mechanization (which was flagged in AIDTO A-698 of Dec 24, 1969) but does not provide any detail regarding the expected conclusions that different equipment will have differing production and differing employment consequences. We will expect to see this matter treated more fully in subsequent PARs.

Since there are so many fertilizer participants trained under this project, we had hoped there would be more discussion of the impact of their training on production. This is admittedly difficult to measure but it is one of the 2 major goals of the fertilizer sub-activity.

**ROGERS**

PAGE OF PAGES

DRAFTED BY <i>[Signature]</i> AWFord:tlp	OFFICE NESA/SA	PHONE NO. 20488	DATE 10/23/70	APPROVED BY: JMB [Signature], Dr., NESA/TECH
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AID AND OTHER CLEARANCES

NESA/SA:CHRees [Signature]  
NESA/SA:PIserman (draft) [Signature]

NESA/FR:J.Govan (subs.) [Signature]  
AA/NESA:CMELinton (subs.) [Signature]

NESA/ID:JJYoung (draft) [Signature]  
NESA/ID:BHamilton (info)

**UNCLASSIFIED**  
CLASSIFICATION

Ag Inputs - Overall  
 3860367 (21) ONP  
 PD-AAD-115

AD 13.0-1  
 (0-24)

PRO AG

PROJECT AGREEMENT  
 BETWEEN THE DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT (AID),  
 AN AGENCY OF THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AND  
 THE MINISTRY OF FINANCE  
 AN AGENCY OF THE GOVERNMENT OF INDIA

The above-named parties hereby mutually agree to carry out a project in accordance with the terms set forth herein and the terms set forth in any annexes attached hereto, as checked below:

- PROJECT DESCRIPTION ANNEX A  FOREIGN CURRENCY STANDARD PROVISIONS ANNEX  
 STANDARD PROVISIONS ANNEX  SPECIAL LOAN PROVISIONS ANNEX

This Project Agreement is further subject to the terms of the following agreement between the two governments, as modified and supplemented:

GENERAL AGREEMENT FOR TECHNICAL COOPERATION DATE Dec. 28, 1950

ECONOMIC COOPERATION AGREEMENT DATE

(as) extended June 29, 1957. DATE Jan 5, 1952

1. PROJECT/ACTIVITY NO. 386-11-190-367 PAGE 1 OF 1 PAGES

2. AGREEMENT NO. 143 Supplement No. 3

3.  ORIGINAL for the year ending June 30, 1970. REVISION NO. 1970.

4. PROJECT/ACTIVITY TITLE  
 Agricultural Inputs Development 45p.

5. PROJECT DESCRIPTION AND EXPLANATION  
 (See Annex A attached)

6. AID APPROPRIATION SYMBOL Dollars 72-1101004  
 Rupees 72 FT 800.1  
 7. AID ALLOTMENT SYMBOL 054-50-386-00-69-01

8. AID FINANCING	PREVIOUS TOTAL (A)	INCREASE (B)	DECREASE (C)	TOTAL TO DATE (D)
<input checked="" type="checkbox"/> DOLLARS <input type="checkbox"/> LOCAL CURRENCY				
(a) Total Dollars	0	290,410	0	290,410
(b) Contract Services/PASA	0	33,160 a/	0	33,160
(c) Commodities	0	0	0	0
(d) Other Costs/Participants	0	257,250	0	257,250
9. COOPERATING AGENCY FINANCING - IN RUPEES Rupee 1.00 = Rs. 7.60				
(a) Total Rupee	0	782,800 (\$EQ. 103,000)	0	782,800 (\$EQ. 103,000)
(b) Technical and other Services	0	0	0	0
(c) Commodities	0	0	0	0
(d) Other Costs	0	0	0	0

10. SPECIAL PROVISIONS (See Additional Certification Sheet, if necessary)

a/ Contract \$ 24,560  
 PASA \$ 8,600  
 \$ 33,160

For description of Project see Annex A.

11. DATE OF ORIGINAL AGREEMENT August 29, 1949  
 12. DATE OF THIS REVISION Not applicable  
 13. ESTIMATED FINAL CONTRIBUTION DATE March 31, 1972

14. FOR THE COOPERATING GOVERNMENT OR AGENCY  
 Sd/-  
 R.K. Ganguly  
 Deputy Secretary, Ministry of Finance  
 DATE: 29.8.69

15. FOR THE AGENCY FOR INTERNATIONAL DEVELOPMENT  
 Sd/-  
 John H. Finari  
 Acting Director, U.S. A.I.D. Mission to India  
 DATE: August 29, 69

PROAG CONTINUATION SHEET  ANNEX <u>A</u>	PROJECT AGREEMENT BETWEEN AID AND <u>THE MINISTRY OF FINANCE</u> AN AGENCY OF THE GOVERNMENT OF <u>INDIA</u>	1. Project/Activity No. 386-11-190-367	PAGE <u>1</u> OF <u>5</u> PAGES
		2. Agreement No. 143, Supplement No. 3	3. <input checked="" type="checkbox"/> Original for the yr. ending June 30, Revision No. _____ 1970.
		3. Project/Activity Title Agricultural Inputs Development	

This Agreement is executed pursuant to the Technical Cooperation Programme Agreement entered into between the Governments of India and the United States of America on January 5, 1952, and is signed by the designated representatives of the two governments - R.K. Ganguly, Deputy Secretary, Ministry of Finance of the Government of India (hereinafter referred to as the "Representative") and John H. Funari, Director (Acting) of the U.S.A.I.D. Mission to India of the Agency for International Development of the Government of the United States of America (hereinafter referred to as the "Deputy Director").

Description of Project

In furtherance of the purposes and objectives of Project Agreement No. 143 as supplemented and amended, continued U.S. technical assistance will be provided during FY 1970 by the U.S.A.I.D. to the Government of India, Ministry of Food and Agriculture in their efforts to rapidly increase the agricultural production inputs as described in the Operational Work Plan - Annex B - attached hereto as a guide to the implementation of the project.

The U.S.A.I.D. technical assistance will cover the services of technical experts and consultants and U.S. training opportunities for Indian personnel as detailed herein.

The U.S.A.I.D. hereby agrees:

367.1 - Fertilizer

- (a) To continue the services of one direct hire Fertilizer Promotion Specialist assigned to the Fertilizer Association of India. In addition four short-term fertilizer consultants - Two PASA and Two Contract - for a total of 2 man-months will be provided to assist the FAI with their annual All-India Fertilizer Seminar. Estimated cost of consultants \$4,300 and Rs. 29,100 for two PASA consultants and \$3,560 and Rs. 29,100 for two contract consultants: Total Cost \$7,860 and Rs. 58,200.

For the Cooperating Government or Agency  SIGNATURE: _____ DATE: _____ TITLE: _____	For the Agency for International Development  SIGNATURE: _____ DATE: _____ TITLE: _____
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PROAG CONTINUATION SHEET  ANNEX. <u>A</u>	PROJECT AGREEMENT BETWEEN AID AID  THE MINISTRY OF FINANCE	1. Project/Activity No. 386-11-190-367	PAGE <u>2</u> OF <u>5</u> PAGES
	AN AGENCY OF THE GOVERNMENT OF INDIA	2. Agreement No. 143, Supplement No. 3	3. <input checked="" type="checkbox"/> Original for the yr. ending June 30, Revision No. _____ 1970
		3. Project/Activity Title  Agricultural Inputs Development	

- (b) To provide training and observation tours abroad for 21 Indian participants for approximately 88 man-months in the various fields of fertilizer marketing. Estimated Cost: \$87,700 and Rs. 210,000.

367.2 - Seed Improvement

- (a) To continue the services of two seed technicians (one production and the other processing specialist) already on board and provide two additional seed technicians to complete the four-man team to work with the GOI's National Seed Corporation. These four technicians are being provided under an AID contract with the Mississippi State University; the funds obligated in prior years for this contract are adequate for the services during FY 1970; additional necessary funds to extend the contract through March 31, 1971 in accordance with US AID regulations will be provided later in FY 1970 when all four technicians are on board.
- (b) To provide U.S. training for 18 Indian participants for approximately 112 man-months in the various fields of seed technology, marketing and seed industry organization. Estimated Cost \$78,800 and Rs. 180,000.

367.3 - Plant Protection

- (a) To provide an Entomology Training Specialist (authorized in Amendment No. 1 to Supplement No. 3) under agreement with another U.S. government agency (PASA). This technician is expected to be on board in the fall. He will assist the Central Plant Protection Training Institute, Hyderabad, A.P., in the organization and conduct of training programs on pest disease survey and warning methods. Estimated additional cost to cover fully the services during FY 1970: \$4,300 and Rs. 21,300.
- (b) To provide one direct hire Pesticides Specialist to work with the Pesticide Association of India to assist with the pesticide formulation, use, and marketing.

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

TITLE: \_\_\_\_\_

TITLE: \_\_\_\_\_

PROAG CONTINUATION SHEET  ANNEX	PROJECT CONTRACT BETWEEN AID AND THE MINISTRY OF FINANCE	1. Agency/Activity No. 586-11-159-317	PAGE 9 OF 9 PAGES
	AN AGENCY OF THE GOVERNMENT OF INDIA	2. Agreement No. 143, Supplement No. 3	3. <input checked="" type="checkbox"/> Original for the yr. ending June 30, 1970 Revision No.
		3. Project/Activity Title Agricultural Inputs Development	

- (c) To provide training abroad for four Indian participants for a total of approximately 48 man-months to be sponsored by the Ministry of Food and Agriculture. Estimated cost: \$26,400 and Rs. 40,000.

367.4 - Farm Implements

- (a) To continue the services of one direct hire technician, Agriculture Engineer (Farm Machinery) in FY 1970 to assist the Ministry of Food and Agriculture, in evaluating, planning, and developing farm equipment and their supply and distribution system in the public and private sector. (This ProAg does not at this time authorize the second direct hire position of Agriculture Engineer-Training included in Annex B.)
- (b) To provide a team of five short-term consultants for two months each to assist with the planning and conducting an industry seminar to stimulate interest and investment in farm machinery. Estimated Cost: \$21,000 and Rs. 23,000.
- (c) To provide training and observation tour facilities abroad for 18 Indian participants for approximately 6 man-months in the production, servicing and marketing of agricultural machinery. Estimated cost: \$64,350 and Rs. 180,000.

The several activities mentioned above will be coordinated on behalf of the USAID by a direct hire project manager.

Toward the cost of implementing the above activities, the USAID and the GOI hereby make available \$270,410 from the Development Grant funds and Rs. 782,800 from the GOI Trust Fund administered by the USAID, distributed as follows:

For the Cooperating Government or Agency  SIGNATURE: _____ DATE: _____ TITLE: _____	For the Agency for International Development  SIGNATURE: _____ DATE: _____ TITLE: _____
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<p>PROJECT AGREEMENT BETWEEN AID AND THE MINISTRY OF FINANCE AN AGENCY OF THE GOVERNMENT OF INDIA</p>	1. Project/Activity No. 386-11-190-367	PAGE 4 OF 5 PAGES
	2. Agreement No. 143 Supplement No. 3	3. <input checked="" type="checkbox"/> Original for the Yr. ending June 30, 1970 Revision No. _____
	3. Project/Activity Title Agricultural Inputs Development	

USAID Dollars:

Sub-Project No.	Total \$	Tech/Conslts		Participants \$
		Contract \$	PASA \$	
367.1	95,560	3,560	4,300	87,700
367.2	78,800	-	-	78,800
367.3	30,700	-	4,300	26,400
367.4	85,350	21,000	-	64,350
<b>Total:</b>	<b>290,410</b>	<b>24,560</b>	<b>8,600</b>	<b>257,250</b>

GOI Trust Fund Rupees:

	Rs.	Rs.	Rs.	Rs.
367.1	268,200	29,100	29,100	210,000
367.2	180,000	-	-	180,000
367.3	61,300	-	21,300	40,000
367.4	273,300	93,300	-	180,000
<b>Total:</b>	<b>782,800</b>	<b>122,400</b>	<b>50,400</b>	<b>610,000</b>

It is agreed hereby that funds provided herein may be readjusted for the purposes of the project without a formal amendment of this agreement, among the subprojects and components, if such readjustment is found necessary because of subsequent re-estimation or revision of costs and changes in plans concerning numbers and durations of consultants and participants, subject to the proviso that the total funds may not be exceeded.

Recognizing the funds provided herein do not cover fully the participants for the Farm Implements subproject (No. 367.4), nor provide for forward funding the Seeds team (No. 367.2) through March 31, 1971 as normally required under AID regulations, it hereby is agreed to review the status of these activities later in the year for appropriate action.

It also is agreed that inasmuch as the funds provided for the PASA position at Hyderabad (subproject 367.3) do not cover the total one year assignment requested by the GOI, any funds remaining unutilized

For the Cooperating Government or Agency	For the Agency for International Development
SIGNATURE: _____ DATE: _____	SIGNATURE: _____ DATE: _____
TITLE: _____	TITLE: _____

PROAG  
CONTINUATION  
SHEET  
ANNEX A

PROJECT AGREEMENT  
BETWEEN AID AND  
THE MINISTRY OF FINANCE  
AN AGENCY OF THE GOVERNMENT OF  
INDIA

1. Project/Activity No. 386-11-190-367	PAGE <u>5</u> OF <u>5</u> PAGES
2. Agreement No. 143 Supplement No. 3	3. <input checked="" type="checkbox"/> Original for the Yr. ending June 30, Revision No. _____ 1970.
3. Project/Activity Title Agricultural Inputs Development	

as of June 30, 1970 from those provided herein may be used to extend the PASA into FY 1971.

The USAID will provide the necessary dollar funds, in addition to those provided herein above, for the direct hire technicians for the project in accordance with its regulations; these dollar funds will be supplemented by rupees from the USAID-administered GOI Trust Fund for local support costs as appropriate.

The Government of India, from Fund B or other sources, will (a) for the GOI-requested technicians, provide office space, equipment, furnishings and supplies, stenographic, secretarial, translation and interpreting services, and pay the cost of official communications in accordance with the agreement between the two governments dated May 9, 1956; and (b) for the participants selected for training in the U.S., pay their salaries while in training abroad, intra-India travel and transportation costs to and from New Delhi, and other pre-departure expenses.

The Ministry of Food, Agriculture, Community Development and Cooperation shall be responsible for the general administration and supervision of this project except for the participants from fertilizer industry and the related Ministry.

For the Cooperating Government or Agency	For the Agency for International Development
SIGNATURE: _____ DATE: _____	SIGNATURE: _____ DATE: _____
TITLE: _____	TITLE: _____

OPERATIONAL WORK PLAN

For the Period July 1, 1969 to June 30, 1970

Agricultural Inputs Development

I. PREFACE

This Operational Work Plan provides a description of the activities contemplated under this Project. It is intended to be a guide to the implementation of the project and reflects joint preparation and the intent of signatories to this agreement. The Plan does not commit either Government until required administrative and financial clearances have been given by the appropriate authorities. Formal commitment by each Government to the specific actions required will be made by the execution of a project agreement.

II. BACKGROUND OF CURRENT ACTIVITY & GOALS

This activity forms a part of the USAID agriculture activity to complement the efforts of the Government of India in the Ministry of Food and Agriculture to rapidly increase the availability and efficient utilization of essential agricultural inputs for increased agricultural production. Specifically, this project provides direct support in the area of fertilizers, seed, plant protection and agricultural machinery.

III. SPECIALIST SERVICESA. Fertilizers

During the period covered by this Operational Work Plan, the following Government of India requested U.S. specialists will be assigned:

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1. One Fertilizer Promotion Specialist will be provided to work with the Fertilizer Association of India, a non-official organization of fertilizer manufacturers. He will be stationed in New Delhi but will work throughout the country with the Fertilizer Association of India. His principal task will be to assist the Fertilizer Association of India's Fertilizer Promotion Program by working closely and in cooperation with various constituents of the Fertilizer Association of India. In particular, he will help in developing statistical services, sales promotion, training, and distribution and in identifying new problems and seeking their solution.

2. Four short-term Fertilizer Consultants will be secured to assist the FAI with the annual All-India Fertilizer Seminar.

B. Seed Improvement

During the period covered by this Operational Work Plan, four Government of India-requested seed specialists will be provided to work with the National Seeds Corporation, a public sector organization:

1. Two Seed Production Specialists, with practical experience in hybrid seed production and processing, will be assigned to regional stations of the National Seeds Corporation (Pantnagar and Poona) to assist in building the NSC foundation seed production potential in each area. They will work with regional staff to develop effective seed certification agencies at the state level and help establish meaningful training programs for seed producers, processors, marketing personnel, equipment

manufacturers and dealers, as well as assisting seed development, certification and seed law enforcement personnel at the state level.

2. One Seed Processing and Storage Specialist will be assigned to NSC and stationed at New Delhi to assist NSC in establishing and maintaining efficient seed processing and storage units for its foundation seed production.

3. One Seed Marketing Specialist will be assigned to NSC and stationed at New Delhi to assist NSC in improving seed marketing channels and procedures, to enhance the flow of foundation seeds to certified growers, and develop technical skills important to efficient seed marketing.

C. Plant Protection

1. One Entomology Training Specialist will be stationed at Hyderabad to advise and assist the Central Plant Protection Training Institute, Hyderabad, A. P. in the organization and conduct of training programs on pest and disease survey and warning methods. To do this he will be required to:

a. deliver lectures and hold practical training and field demonstrations on the methods of survey in plant pests and diseases and factors involved in their outbreaks;

b. teach and demonstrate appropriate techniques of forecasting the occurrence and emergence of plant pests and diseases and plant epidemiology; and

c. work with plant pest and disease control personnel on efficient and safe uses of pest control materials and equipment for hand and machine application by ground or aerial means.

2. One Pesticides Specialist will be provided to work with the Pesticides Association of India, a trade association of pesticides manufacturers. He will be stationed in New Delhi but will work throughout the country. His principal task will be to assist the Pesticides Association and affiliated manufacturers with pesticides formulation, distribution, marketing, sales promotion and use.

D. Agricultural Machinery

1. One Agricultural Engineer will be attached to the Ministry of Food and Agriculture, and stationed in New Delhi, to assist with (a) evaluation, planning, and developing farm equipment and machines suitable for use on large and small farms with special regard for mechanization of multiple and intensive cropping programs; and (b) developing farm machinery supply and distribution systems in the public and private sectors, with special reference to Center and State sponsored Agro-Industry Corporations and private manufacturer - operated farm machinery custom services/supply centers.

2. One Agricultural Engineer - Training Specialist will be attached to the Ministry of Agriculture to assist with (a) the establishment of farm machinery utilization training centers proposed to be established in the Center and the States in the Fourth Plan, (b) the reorganization of training programs and schedules in the two existing centers (Hissar and Budni), and (c) the preparation of teaching materials, including training aids. The location of this specialist is to be determined.

3. Five short-term Consultants who are specialists in farm machinery production, contracting, supply, distribution and servicing will be provided for a period of up to two months to (a) assist with a Ministry-sponsored All-India Farm Machinery Seminar-Workshop and (b) participate on an Indo-American Farm Machinery Study Team which will review and evaluate current problems of the Indian Farm Machinery industry.

E. Summary

Personnel to be provided by USAID are summarized in Table 1.

Table 1. Technicians

Activity	Type of Technician	Location	Period of Assignment Months
Fertiliser	Fertilizer Promotion Consultants (4)	FAI, New Delhi	12
		FAI, New Delhi	2
Seed Improvement	Seed Production	NSC, Pantnagar	12
	Seed Production	NSC, Poona	12
	Seed Processing & Storage	NSC, New Delhi	12
Plant Protection	Entomology Training Pesticides Specialist	NSC, New Delhi	12
		PAI, New Delhi	12
Agr. Engineering	Agricultural Engineer Agr. Engineer, Training Consultants (5)	MFA, New Delhi	12
		To be determined MFA, New Delhi	12 2

#### IV. PARTICIPANT TRAINING

##### A. General

Contingent upon the availability of funds, suitable candidates, and mutual agreement, USAID will finance the costs of training, including international travel, for the types and numbers of participants for the periods indicated in Table 2. Kinds and numbers of participants and duration of training may be changed as agreed upon to meet changes in requirements.

##### B. Selection of Participants

Selection of participants will be made by the Department of Agriculture, Ministry of Food and Agriculture in consultation with USAID representatives concerned.

#### V. OTHER U.S. INPUTS

##### A. Fertilizer Promotion

In order to assist MPA with the promotion and expansion of fertilizer use, USAID will:

1. Assist in arranging the annual, FAI-sponsored, All India Fertilizer Seminar (See fertilizer consultants in Section III);
2. Assist in developing one fertilizer promotion audiovisual truck to be used by the FGI's Trombay fertilizer plant field staff; and
3. Assist other activities as may be mutually agreed upon to increase fertilizer distribution and sales.

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Table 2. Participant Training

Subject & Field of Training	Number of Participants and Agencies			Duration of Training in Months	Man-Months of Training Col. 2xCol. 3	Training Location	Departure Date
	MFA	FAI	Total				
<b>A. Fertilizer</b>							
1. Agronomy & Economics of Fertilizer Use	2	-	2	6	12	USA	5/70
2. Integrated Marketing Course	1	3	7	4	28	USA	1/70
3. Agr. Communications Course	2	-	3	4	12	USA	4/70
4. Market Research Course	-	2	3	6	18	USA	4/70
5. Institutional Training Course	1	1	2	4	8	USA	5/70
6. Quality Control Adm.	1	-	1	4	4	USA	5/70
7. HLOC (High Level. Obs. Tour)	1	1	3	2	6	USA & Philippines	5/70
Sub-Total	7	7	21	-	88		
<b>B. Seed Improvement</b>							
1. Seed Technology	6	-	6	12	72	USA	2/70
2. Seed Processing	2	-	2	5	12	USA	2/70
3. Seed Marketing	2	-	2	5	12	USA	2/70
4. Survey-Study of Seed Industry organization	3	-	3	2	16	USA	5/70
Sub-Total	13	-	13	-	112		
<b>C. Plant Protection</b>							
(Fields of training to be determined)	4	-	4	12	48	USA	5/70
Sub-Total	4	-	4	-	48		

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Table 2. Participant Training (Contd)

Subject & Field of Training	Number of Participants and Agencies		Duration of Training in Months	Man-Months of Training		Training Location	Departure Date
	WPA/State/Industry	Total		Col 2xCol 3	Col 3		
<b>D. Agricultural Engineering</b>							
1. Survey-Study of farm machinery industry production, marketing, and sales service programs	8	8	2	16		USA & Philippines	5/70
2. Implement design	3	3	6	18		USA	4/70
3. Tractor & Implement Hiring/Custom Operations	7	7	4	28		USA	4/70
Sub-Total	18	18	-	62			

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B. Seed Distribution and Marketing

USAID will provide assistance as may be mutually agreed upon to the MPA to improve and increase the distribution, including storage/processing and the marketing of high quality seeds.

C. General

In addition to the above, USAID may provide, as required and mutually agreed upon, assistance in arranging seminars/conferences/technical meetings, demonstrations to popularize agricultural inputs; surveys and market studies; technical consultants; special training programs; and other requirements as may be needed during the Work Plan period.

VI. GOVERNMENT OF INDIA INPUTS

Standard provisions; office space, furnishings, secretarial services and counterparts for requested specialists

Office of Agricultural Development  
USAID/New Delhi

Ministry of Food, Agriculture,  
Community Development and  
Cooperation, New Delhi

Date: 26 May 1969

Date: 27-5-69

PROJECT AGREEMENT ANNEX II

ADMINISTRATIVE PROVISIONS

- (A) The contract services shall be procured by the A.I.D. or otherwise as may be agreed upon between the Deputy Director and the Representative.
- (B) Adjustments in the quantities and types of equipment, supplies and services may be made within the limits of available funds whenever the Representative and the Deputy Director agree that project plans, procurement, price or other changes in the circumstances warrant such adjustment.
- (C) The Representatives and the Deputy Director may make such provisions for and changes in this Agreement as they shall agree to be necessary for carrying out the project.
- (D) Any right, privilege, power or duty conferred by this Agreement upon either the Deputy Director or the Representative may be exercised by either of them, or by any other representative duly authorized by the Representative and/or the Director of the U.S. A.I.D. Mission to India. Such delegation shall not limit the right of the Representative and the Deputy Director to refer any matter directly to each other for discussion and decision.
- (E) It is agreed that the dollar funds made available by the U.S. under this Agreement shall be withheld in the United States of America for payments to be made outside of India for procurement of equipment, supplies and services.
- (F) A.I.D. will furnish specialists, subject to availability of personnel, and training opportunities abroad as are agreed by the Representative and the Deputy Director to be necessary and for which funds are available.
- (G) Except as specifically authorized by A.I.D./W, or when local hire is authorized under the terms of a contract with a U.S. supplier, services authorized under this Project Agreement must be obtained from U.S. sources.
- (H) Except as specifically authorized by A.I.D./W, the purchase of commodities authorized under this Project Agreement will be limited to U.S. sources.
- (I) The cost of ocean transportation (Code 950) on U.S. flag vessels, and the costs of other services (Code 940) furnished in connection with the shipment of the commodities authorized herein, although not paid by the suppliers of the commodities, are also eligible for reimbursement hereunder.

The cost of ocean transportation on other than U.S. flag vessels (but not recipient country flag vessels) may be paid hereunder provided (i) U.S. flag vessels are ordinarily available for comparable movements (ii) the shipment was originally intended to be made on U.S. flag vessels, and (iii) the Resources Transportation Division, A.I.D., Washington 25, D.C. determines that no U.S. flag vessels are available for the shipment and said office grants specific written authorization for the payment of such costs. Any payment so authorized will constitute an advance of funds to the cooperating country to be refunded to A.I.D. by the cooperating country upon demand.

Additional Documentation Required for Reimbursement: A letter or photostatic copy thereof, signed by the Resources Transportation Division, A.I.D., authorizing payment of ocean transportation costs on other than U.S. flag vessels.

Invoices covering C&F or CIF shipments on other than U.S. flag vessels must show the ocean transportation costs and commodity costs separately when presented to banks and A.I.D. for payment of reimbursement.

(J) Suppliers are required to certify that the commodities shipped hereunder are, with respect to both source and origin, from countries or areas included in the A.I.D. geographic code in this authorization. The definition of the term "source" is found in Section 201.1(M) of A.I.D. Regulation I. The term "origin" means the country or area in which a commodity is mined, grown or produced. A commodity is produced when, through manufacturing, processing or substantial and major assembling of components, a commercially recognized new commodity results that is substantially different in basic characteristics or in purpose or utility from its components.

(K) Commodities financed by A.I.D., whether by loan or grant, under this Agreement are to further the objectives of the project and shall be used as mutually agreed by the GOI Project Leader and the chief A.I.D. technician assigned under this project, whether or not the title to such commodities is vested in the GOI pursuant to paragraph G of Project Agreement Annex III, Standard Provisions. When A.I.D. technicians are withdrawn from the project, the commodities shall continue to be used for project purposes under the control of GOI technicians assigned under the project, unless other use of them is specifically authorized in writing by A.I.D.

PROJECT AGREEMENT ANNEX III

STANDARD PROVISIONS

- A. As used herein, the term "AID" refers to the Agency for International Development, any component agency, or any successor agency. References to "this Project Agreement" shall mean the original Project Agreement as modified by any revisions which have entered into effect.
- B. (1) AID will make available the amounts, specified in Block 8 of this Project Agreement, as necessary for the project, for use for the designated purposes and as may be further described in Annex A, as required by Block 5 hereof. In addition, as may be further specified in Annex A, AID will, subject to the availability of funds and (where required by AID procedures) as provided for in Project Implementation Orders (PIOs) issued by AID in accordance with its procedures, make available funds (a) to pay costs of furnishing technical services to be performed by United States Government employees in connection with the project, (b) to pay a share of the costs of providing training outside the cooperating country in connection with the project for qualified persons from the cooperating country, and (c) to pay such additional costs as may be specified.
- (2) The Cooperating Government Agency will make available, the amounts specified in Block 9 of this Project Agreement, as necessary for the project, for use for the designated purposes and as may further be described in Annex A. The Cooperating Government Agency will also make, or arrange to have made, additional contributions of property, services, facilities and funds required for carrying out the project as may be specified in Annex A, or as may subsequently be agreed upon by the two parties.
- C. AID and the Cooperating Agency may obtain the assistance of other public and private agencies in carrying out their respective obligations under this Project Agreement. The two parties may agree to accept contributions of property, services, facilities and funds for purposes of this Project Agreement from other public and private agencies, and may agree upon the participation of any such third party in carrying out activities under this Project Agreement.
- D. AID shall not be required to make any contribution after the expiration of six months following the estimated final contribution date (Block 13 of the Project Agreement form AID 1330-1) or any amended final contribution date specified herein. Except as otherwise specified herein or subsequently agreed by the parties, all contributions of the Cooperating Agency pursuant to this Project Agreement shall be made on or before said estimated termination date, or amended date. A contribution of goods or services shall be considered to have been

made when the goods or services, provided or financed by the contributing party, are delivered in accordance with commercial practice.

- E. The procurement of commodities and contract services to be financed directly by AID or with GOI funds obtained through AID loans may be undertaken only pursuant to PIOs or Purchasing Orders issued by AID in accordance with its procedures.
- F. Unless otherwise specified in the applicable PIO, the procurement of commodities financed with the AID contribution referred to in Block 8 of this Project Agreement shall be subject to the provisions of AID Regulation 1.
- G. Unless otherwise specified in the applicable PIO, title to all property procured through financing by AID pursuant to Block 8(c) of this Project Agreement shall be in the Cooperating Agency, or such public or private agency as it may authorize. This provision is inapplicable to any property which may be used in connection with the project but is not financed pursuant to said Block 8(c).
- H. Any property furnished to either party through financing by the other party pursuant to this Project Agreement shall, unless otherwise agreed by the party which financed the procurement, be devoted to the project until completion of the project, and thereafter shall be used so as to further the objectives sought in carrying out the project. Either party shall offer to return to the other, or to reimburse the other for, any property which it obtains through financing by the other party pursuant to this Project Agreement which is not used in accordance with the preceding sentence.
- I.
  - (1) If AID and any public or private organization furnishing commodities through AID financing for operations hereunder in the cooperating country, is, under the laws, regulations or administrative procedures of the cooperating country, liable for customs duties and import taxes on commodities imported into the cooperating country for purposes of carrying out this Project Agreement, the Cooperating Agency will pay such duties and taxes unless exemption is otherwise provided by any applicable international agreement.
  - (2) If any personnel (other than citizens and residents of the cooperating country), whether United States Government employees, or employees of public or private organizations under contract with, or individuals under contract with, AID, the Cooperating Agency or any agency authorized by the Cooperating Agency, who are present in the cooperating country to provide services which AID has agreed to furnish or finance under the Project Agreement, are, under the laws, regulations or administrative procedures of the cooperating

country, liable for income and social security taxes with respect to income upon which they are obligated to pay income or social security taxes to the Government of the United States of America, for property taxes on personal property intended for their own use, or for the payment of any tariff or duty upon personal or household goods brought into the cooperating country for the personal use of themselves and members of their families (not including such personal or household goods as may be sold by any such personnel in the cooperating country), the Cooperating Agency will pay such taxes, tariff, or duty unless exemption is otherwise provided by any applicable international agreement.

- J. Any personnel (other than citizens and residents of the cooperating country), whether United States Government employees, or employees of public or private organizations under contract with, or individuals under contract with, AID, the Cooperating Agency or any agency authorized by the Cooperating Agency, who are present in the cooperating country to provide services which AID has agreed to furnish or finance under this Project Agreement shall be subject to the approval of the Cooperating Agency and AID, and shall be under the general direction of the Director of the Mission to the cooperating country.
- K. If any commodity is furnished to the Cooperating Agency, or any public or private agency authorized by the Cooperating Agency, on a grant basis through financing by AID pursuant to this Project Agreement under arrangements which will result in the accrual of proceeds to the Cooperating Agency or any authorized agency and if the applicable agreement between the two governments referred to on the first page of this Project Agreement does not provide for the establishment of a Special Account and the deposit therein of currency of the cooperating country, the Cooperating Agency will make such arrangements as may be necessary to establish a Special Account and to deposit therein currency of the cooperating country in amounts equal to such proceeds, in accordance with such terms and conditions as may be agreed upon. Funds in the Special Account may be used only as agreed upon by AID and the Cooperating Agency; provided, that such portion of the funds in the Special Account as may be designated by AID shall be made available to AID to meet the requirements of the United States.
- L. The Cooperating Agency will make such arrangements as may be necessary so that funds introduced into the cooperating country by AID or any public or private agency for purposes of carrying out obligations of AID hereunder shall be convertible into currency of the cooperating country at the highest rate which, at the time the conversion is made, is not unlawful in the cooperating country.

- M. AID shall expend funds and carry on operations pursuant to this Project Agreement only in accordance with the applicable laws and regulations of the United States Government.
- N. The two parties shall have the right at any time to observe operations carried out under this Project Agreement. Either party during the term of the Project and three years after the completion of the project shall further have the right (1) to examine any property procured through financing by that party under this Project Agreement, wherever such property is located, and (2) to inspect and audit any records and accounts with respect to funds provided by or any properties and contract services procured through financing by, that party under this Project Agreement, wherever such records may be located and maintained. Each party, in arranging for any disposition of any property procured through financing by the other party under this Project Agreement, shall assure that the rights of examination, inspection and audit described in the preceding sentence are reserved to the party which did the financing.
- O. Upon completion of the project, a Completion Report shall be drawn up, signed by appropriate representatives of AID and the Cooperating Agency, and submitted to AID and the Cooperating Agency. The Completion Report shall include a summary of the actual contributions by both AID and the Cooperating Agency to the project, and shall provide a record of the activities carried out, the objectives achieved, and related basic data. AID and the Cooperating Agency shall each furnish the other with such information as may be needed to determine the nature and scope of operations under this Agreement and to evaluate the effectiveness of such operations.
- P. The present Agreement shall enter into force when signed. Either party may terminate this Project Agreement by giving the other party 30 days written notice of intention to terminate it. Termination of this Project Agreement shall terminate any obligations of the two parties to make contributions pursuant to Blocks 8 and 9 of this Project Agreement, except for payments which they are committed to make pursuant to non-cancellable commitments entered into with third parties prior to the termination of the Project Agreement. It is expressly understood that the obligations under paragraph H relating to the use of property shall remain in force after such termination.

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PROAG  
CONTINUATION  
SHEET

ANNEX A

PROJECT AGREEMENT  
BETWEEN AID AND

THE MINISTRY OF FINANCE

AN AGENCY OF THE GOVERNMENT OF  
INDIA

1. Project/Activity No.

386-11-190-367

2. Agreement No. 143, Amendment  
No.2 to Supplement No.3

3. Project/Activity Title

Agricultural Deputs Development

PAGE 1 OF 3 PAGES

3.  Original or  
Revision No. 2 for year  
ending June 30, 1970

This Agreement is executed pursuant to the Technical Cooperation Agreement entered into between the Governments of India and the United States of America on January 5, 1952, and is signed by the designated representatives of the two governments - S. Santhi, Deputy Secretary, Ministry of Finance of the Government of India (hereinafter referred to as the "Representative") and John H. Fumari, Deputy Director of the U.S. A.I.D. Mission to India of the Agency for International Development of the Government of the United States of America (hereinafter referred to as the "Deputy Director").

Description of Project

In furtherance of the objectives and purposes of Project Agreement No. 143, the US AID will provide further assistance as follows:

1. Development grant funds in an amount of \$5,000 for import of ammonia applicators and associated parts, for demonstration purposes pursuant to the activities described in Annex B to Supplement No. 3, signed on 26 May 1969; and
2. U.S. technical assistance to, and participant training for, Indian professionals and technicians from the fertilizer industry and the related Ministry as described in the FY 70 Operational Work Plan signed by the USAID and the Ministry of Petroleum, Chemicals, Mines and Metals (attached hereto as Annex B as a guide to the implementation of the project). Specifically this assistance will include:
  - (a) The services of two short-term consultants for up to four months each in the fields of management and ammonia production. The management specialist will be assigned to the FCI to advise on matters relating to management planning. The ammonia production specialist's activities will be coordinated by the Chief Project Officer, Department of Chemicals, Ministry of Petroleum, Chemicals, Mines and Metals and will be assigned to Fertilizer production units in the country to advise on efficient production of ammonia. Estimated cost \$18,800 and Rs 58,400.

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

TITLE: \_\_\_\_\_

TITLE: \_\_\_\_\_

PROJECT AGREEMENT  
BETWEEN AID AND

1. Project/Activity No.  
386-11-190-367

PAGE 2 OF 3 PAGES

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CONTINUATION  
SHEET

THE MINISTRY OF FINANCE

2. Agreement No. 143, Amendment  
No. 2 to Supplement No. 3

3.  Original or  
Revision No. 2 for year  
ending June 30, 1970

ANNEX A

AN AGENCY OF THE GOVERNMENT OF  
INDIA

Agricultural Inputs Development

(b) U.S. training for up to 43 participants for a total of approximately 153 man-months in the various fields of fertilizer engineering and management including blending, in-plant training and high level observation and management study teams. It is estimated that 37 of these 43 participants will be from the public sector and approximately six from the private sector. It is understood that international travel cost (approximately Rs 60,000) of proposed participants from the private sector will be met by the sponsoring institutions. Estimated USAID and GOI cost: \$139,300 plus Rs 370,000 for international travel.

Toward the cost of the above mentioned commodities, consultants and participants, and subsequent readjustment of funds provided in Supplement No. 3 and its Amendment No. 1 for the activities listed therein, the USAID and the GOI hereby provide additional \$163,100 of Development Grant funds and Rs 413,800 of the GOI Trust Fund administered by the USAID.

The dollar and rupee funds provided under Supplement No. 3 to Project Agreement No. 143, through this Amendment No. 2, are distributed among the subprojects and components as follows:

U.S. DOLLARS

Sub-Project #	Total Cost	U.S. Personnel		Direct Commodities	Direct Participants
		Contract	PASA		
	\$	\$	\$	\$	\$
367.1 Fertilizer AG	100,560	-	9,000	5,000	86,560
Mfg.	158,100	18,800	-	-	139,300
367.2 Seeds	78,800	-	-	-	78,800
367.3 Plant Protection	30,700	-	4,300	-	26,400
367.4 Farm Implements	85,350	21,000	-	-	64,350
367.5 Oilseeds	27,000	27,000	-	-	-
<b>Total:</b>	<b>480,510</b>	<b>66,800</b>	<b>13,300</b>	<b>5,000</b>	<b>395,410</b>
Less: Funds provided in Supplement No. 3 and Amendment No. 1 thereto:	317,410	51,560	8,600	-	257,250
<b>Additional Funds provided herein:</b>	<b>163,100</b>	<b>15,240</b>	<b>4,700</b>	<b>5,000</b>	<b>138,160</b>

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

TITLE: \_\_\_\_\_

TITLE: \_\_\_\_\_

PROAG  
CONTINUATION  
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ANNEX A

PROJECT AGREEMENT  
BETWEEN AND  
THE MINISTRY OF FINANCE  
AGENCY OF THE GOVERNMENT OF  
INDIA

1. Project No. 386-11-190-367 Page 3 OF 3 PAGES  
2. Agreement No. 143, Amendment No. 2 to Supplement No. 3  
3.  Original or Revised No. 2 for year ending June 30, 1970  
3. Project/Activity Title  
Agricultural Inputs Development

FINANCIAL SUMMARY

Sub-Project #	Total Cost Rs.	U.S. Personnel Contract PASA Rs.	Direct Participants Rs.	Direct Other Costs Rs.	
367.1 Fertilizer AG Mfg.	253,600 428,400	- 58,400	29,000	210,000 370,000	14,600
367.2 Seeds	180,000	-	-	180,000	-
367.3 Plant Protection	61,300	-	21,300	40,000	-
367.4 Farm Implements	275,300	93,300	-	180,000	-
367.5 Oilseeds	127,500	127,500	-	-	-
<b>Total:</b>	<b>1,324,100</b>	<b>279,200</b>	<b>50,300</b>	<b>980,000</b>	<b>14,600</b>
Less: Funds provided in Supplement No. 3 and Amendment No. 1 thereto:	910,300	249,900	50,400	610,000	-
Additional Funds provided herein:	413,800	29,300	(100)	370,000	14,600

It further is agreed hereby that the funds provided herein may be (a) readjusted for the purposes of the project among the components thereof, without a formal amendment of this agreement, if such readjustment is found necessary because of subsequent re-estimation or revision of costs and/or changes in plans concerning numbers and durations of consultants, participants and/or surveys, subject to the proviso that the total funds provided herein may not be exceeded; and (b) used to provide for shortfall in funding or extension of consultant services and/or participants' training authorized in FY 1969.

The Ministry of Petroleum, Chemicals, Mines and Metals will be responsible for the general supervision of the project described in Annex B to this amendment No. 2.

All provisions and conditions of Supplement No. 3 to Project Agreement No. 143, except those modified herein, will apply to this amendment also.

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
TITLE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
TITLE: \_\_\_\_\_



## II. Goals and Preconditions

### A. Goals

Improved efficiency and increased production and availability of fertilizers for higher agricultural output.

### B. Preconditions

The Ministry of Petro-Chemicals, Mines and Metals agrees that, on return from abroad, the officials sponsored for training will be posted to jobs where newly acquired skills and knowledge will be fully utilised.

To ensure optimum utilization of the proposed USAID specialists, their scope of work will be defined, and counter-parts selected, prior to the arrival of the specialists.

## III. Inputs

### A. U.S.

#### 1. Specialists Services

During FY 1970, two Fertilizer Specialists - one in management, and the other in ammonia production - will be required to assist the fertilizer industry in achieving better production. The management specialist will be assigned to the FCI, an important multi-unit multi-stage corporation, and advise its Chairman and Managing Director on matters relating to management planning, development, information and control systems, etc. The specialist should be a person with experience of such problems in similar organisations in the U.S.A. The period of his assignment will be four months, and he should preferably be drawn from some management consultants firm in the U.S.A.

As regards the ammonia production specialist, he will be assigned to fertilizer production units in the country to advise on problems

related to his field thus helping to achieve more efficient production. The duration of his stay will be four months, and his activities will be coordinated by the Chief Project Officer, Department of Chemicals, Ministry of Petro-Chemicals, Mines and Metals, Government of India.

Technical Advisory Services

Type of Technicians	Number	Estimated duration of assignment (Months)	Work Location and GOI agency	Position of Counter-part(s)
Ammonia Production Specialist	1	4	-	-
Management Specialist (Multi unit Corp.)	1	4	-	-

2 Participants

During FY 1970, participant training teams are proposed with the following conditions:

- (i) USAID will make arrangements for U.S. training and bear the dollar costs of such training, as well as international travel costs of government sector employees;
- (ii) The Ministry of Petro-Chemicals, Mines and Metals agrees that:
  - (a) International travel costs to and from the U.S.A. for candidates from the private sector enterprises will be borne by the sponsoring organizations themselves;
  - (b) "Local Costs" including salaries for the duration of training and within-India travel will be borne by respective public and private sector sponsoring authorities;
  - (c) It will be the coordinating Ministry and will send

all the nominations, including those from the Ministry of Iron and Steel, to the Department of Economic Affairs.

The composition of the proposed teams is as follows:

(A) High Level Fertilizer Industry Management Team

The Team will consist of senior management personnel of the ranks of General Manager, Deputy General Manager, and persons who are likely to be promoted to these positions in the near future, drawn from various fertilizer projects in the public and private sectors. The objective is to improve the managerial competence and effectiveness in the Indian fertilizer industry. The participants will have an opportunity to discuss the problems and latest developments in production and management with persons having the same responsibility in the host organizations.

The team will consist of eight participants and the period of training will be up to six weeks.

(B) High Level Fertilizer Engineers Team

The Team will consist of Chief and Senior Engineers drawn from the various fertilizer plants in the public and private sectors. The participants will study the latest developments in technology and economics of fertilizer production. The emphasis will be on process technology, equipment, performance, maintenance and productivity.

The team will have eight members and the duration of training will be up to six weeks.

(C) Fertilizer Industry In-Plant Training Team

The objective under this program is to impart intensive in-plant training to the middle-level Indian Fertilizer Engineers in

modern fertilizer plants. Training is proposed in different areas of fertilizer production, viz., naphtha reforming, ammonia synthesis, urea production, DAP production, maintenance and construction of fertilizer plants; production, planning and control in fertilizer industry, etc. The finalization of this program will depend, however, upon the facilities available for placing the participants as internees in the U.S. fertilizer plants.

The team will consist of 18 participants, and the duration of their internship will be up to 28 weeks each.

(D) Fertilizer Bulk Blending Team

Suitably qualified people from the fertilizer industry in India will visit important Bulk Blending plants in the USA and will study modern and scientific methods of Bulk Blending for the production of tailor-made NPK mixtures for meeting the specific requirements of farmers.

The team will consist of five persons and the duration of training will be up to five weeks.

(E) FACT Phosphorus Team

It is proposed to send four engineers from FACT to receive training in the production of elemental phosphorus from rock phosphate by the electro-thermal method, and conversion of this phosphorus to phosphoric acid. After their return these engineers will help set up a similar facility for FACT, which has already been issued an industrial licence for such a project.

The team will be comprised of four engineers, and the duration of training will be nine weeks.

This team will also visit the elemental phosphorus plant of

Udhe in West Germany for about three weeks. The required funds will be provided by the Government of India.

A summarization of these training programs and the allocation of participants for various organizations follows:

(1) TRAINING

Field of Training	Number	Estimated duration of training (weeks)	Position Agency and Location <sup>a</sup>	Estimated Departure Date
1	2	3	4	5
A. High Level Management Team	8	6		
B. High Level Engineers Team	8	6		
C. Industry To Plant Training Team	18	28		
D. Bulk Blending Team	5	5		
E. FACT Phosphorus Team	4	9		

<sup>a</sup> See (2) below

(2) ALLOCATION TO VARIOUS ORGANIZATIONS

Organization	Team					Total
	A	B	C	D	E	
Min/FCIM	1	-	-	-	-	1
FCI	3	2	9	1	-	15
FACT	1	1	4	1	4	11
Rourkela	-	1	1	-	-	2
Neyveli	-	1	1	-	-	2
MPL	1	1	1	-	-	3
IFFCO	1	1	-	1	-	3
F&I (other than public sector)	1	1	2	2	-	6
	8	8	18	5	4	43

B. GOI

will provide the following:

1. Office space, furnishings and equipment required by the Specialists to perform their assignments;
2. Counterparts for each Specialist.

*David C. Woody*

David C. Woody  
Chief, Manufacturing Branch  
USAID, New Delhi

*S. Vasudevan*

S. Vasudevan  
Under Secretary  
Ministry of Petro-Chemicals,  
Mineral and Metals, GOI

F

10-1330-1  
(2-6-67)

PRO AG

**PROJECT AGREEMENT**  
**BETWEEN THE DEPARTMENT OF STATE, AGENCY FOR INTERNATIONAL DEVELOPMENT (AID),**  
**AN AGENCY OF THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AND**  
**THE MINISTRY OF FINANCE**  
**AN AGENCY OF THE GOVERNMENT OF INDIA**

The above-named parties herby mutually agree to carry out a project in accordance with the terms set forth herein and the terms set forth in any annexes attached hereto, as checked below:

1. PROJECT/ACTIVITY NO.  
386-11-190-367

PAGE 1 OF 1 PAGES

2. AGREEMENT NO. 145, Amend  
No. 3 to Suppl. No. 4

3.  ORIGINAL, OR  
REVISED NO. 3 FY 70

PROJECT DESCRIPTION ANNEX A  FOREIGN ECONOMIC STANDARDS PROVISIONS ANNEX A  
 STANDARD PROVISIONS ANNEX  SPECIAL AGRI. PROVISIONS ANNEX

3. PROJECT/ACTIVITY TITLE  
  
Agricultural Inputs Development

This Project Agreement is further subject to the terms of the following agreement between the two governments, as modified and supplemented:

GENERAL AGREEMENT FOR TECHNICAL COOPERATION DATE Dec 28 1950

B. AGENCY DESCRIPTION AND CATEGORIZATION  
  
(See Annex A checked)

ECONOMIC COOPERATION AGREEMENT DATE

(checked) as extended DATE Jan 5 1952  
June 29 1957

C. AID APPROPRIATION SYMBOL  
Dollars- 72-1101004  
Rupees- 72FF800

7. AID ALLOTMENT SYMBOL  
054-50-386-00-69-01  
147-50-386-00-69-00

9. AID FINANCING		PERIODIC CONTRIBUTION (in Yearly Billing)		DECREASE (C)	TOTAL TO DATE (D)
<input checked="" type="checkbox"/> DOLLARS	<input type="checkbox"/> RUPEES	(A)	(B)	(C)	(D)
(a) Total Dollars		480,500	96,720	40,951	536,279
(b) Contract Services/ TASA		30,100	96,720	0	176,820
(c) Commodities		5,000	0	0	5,000
(d) Other Costs/ Participants		495,400	0	40,951	354,459
D. COOPERATING AGENCY Rupee Financing - 52.8% CONTRIBUTION SI. GO - Rs 7.60					
(a) Total Rupees		1,324,100	293,900	80,280	1,537,720
(b) Technical and other Services		344,100	293,900	0	638,000
(c) Commodities		0	0	0	0
(d) Other Costs/ Participants		980,000	0	80,280	899,720

10. SPECIAL PROVISIONS (See Additional Certification Check, if Necessary)  
 For description of project see Annex A attached.  
 \*Equivalent of \$195,489.

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11. DATE OF ORIGINAL AGREEMENT August 29, 1969  
 12. DATE OF THIS REVISION May 22, 1970  
 13. ESTIMATED FINAL CONTRIBUTION DATE March 31, 1972

14. FOR THE COOPERATING GOVERNMENT OR AGENCY  
 Sd/-  
 S. Santhi  
 DATE: 20 May '70  
 TITLE: Deputy Secretary, Ministry of Finance

15. FOR THE AGENCY FOR INTERNATIONAL DEVELOPMENT  
 Sd/-  
 Clarence Gulick  
 DATE: \_\_\_\_\_  
 TITLE: Director (Acting), U.S. A.I.D. Mission to India

PROAG  
CONTINUATION  
SHEET  
ANNEX A

**PROJECT AGREEMENT  
BETWEEN AID AND  
THE MINISTRY OF FINANCE  
AN AGENCY OF THE GOVERNMENT OF  
INDIA**

1. Project/Activity No. 386-11-190-367	PAGE <u>1</u> OF <u>3</u> PAGES
2. Agreement No. 143, Amend. No. 3 to Suppl. No. 3	3. <input type="checkbox"/> Original or Revision No. <u>3</u> (FY 70)
3. Project/Activity Title  Agricultural Inputs Development	

This Supplementary Project Agreement is executed pursuant to the Technical Cooperation Agreement entered into between the Governments of India and the United States of America on January 5, 1952 and is signed by the designated representatives of the two governments - S. Senthil, Deputy Secretary, Ministry of Finance of the Government of India (hereinafter referred to as the "Representative") and Clarence Gulick, Director (Acting) of the U.S. A.I.D. Mission to India of the Agency for International Development of the Government of the United States of America (hereinafter referred to as the "Director").

Description of Project

In furtherance of the purposes and objectives of Project Agreement No. 143, as supplemented and amended, it is agreed hereby to continue through March 31, 1971 U.S. assistance to improving the marketing and processing of high quality seeds of improved varieties and hybrids. Details of the activities covered by the seeds project are included in the Operational Work Plan for FY 71 attached hereto as Annex B as a guide to the implementation of the project.

During the period April 1, 1970 through March 31, 1971, the U.S. technical services for the seeds project are estimated to total 52 man-months, comprising four long-term technicians and some short-term consultants to be provided under A. I. D. contract with the University of Mississippi.

Funds required for extension of the University of Mississippi contract through March 31, 1971, in addition to those carried over from prior years are estimated at \$83,500 of Development Grant funds and Rs 337,600 from GOI Trust Fund.

Mainly because of a shortfall in participant nominations for the current year, funds in the amount of \$27,731 and Rs 123,980 have remained unutilized from those provided by Supplement No. 3 and its Amendments No. 1 and 2. Therefore, to complete the funding for the University of Mississippi contract, A. I. D. hereby provides \$55,769 of Development Grant funds and Rs 213,620 from the GOI Trust Fund administered by A. I. D.

<p>PROJECT AGREEMENT BETWEEN AID AID THE MINISTRY OF FINANCE AN AGENCY OF THE GOVERNMENT OF INDIA</p>	1. Project/Activity No. 3300-11-190-557	PAGE 2 OF 3 PAGES
	2. Agreement No. 143 Amend No. 3 to Suppl. No. 3	3. <input type="checkbox"/> Original or Revision No. 3 FEB 70
	3. Project/Activity Title Agricultural Inputs Development	

Following tabulation gives the distribution of funds made available through Supplement No. 3, as amended hereby, for each sub-project:

U. S. Dollars

Sub-Project No.	Total	Tech./Conslts		Commodities	Participants
		Contract	FASA		
367.1	\$ 289,028	18,800	24,000	5,000	241,229
367.2	160,380	83,500	-	-	76,880
367.3	3,520	-	3,520	-	-
367.4	56,350	20,000	-	-	36,350
367.5	27,000	27,000	-	-	-
<b>Total</b>	<b>\$ 536,279</b>	<b>149,300</b>	<b>27,520</b>	<b>5,000</b>	<b>354,459</b>
Funds obligated thru Amendment #2	480,510	66,800	13,300	5,000	394,410
Additional Funds provided herein:	\$55,769	82,500	14,220	-	(-) 40,951

GOI Trust Fund Rupees

Sub-Project No.	Total Cost	U. S. Personnel		Participants	Other Costs
		Contract	FASA		
367.1	Rs 676,300	29,200	29,100	618,000	-
367.2	539,320	337,600	-	201,720	-
367.3	21,300	-	21,300	-	-
367.4	173,300	93,300	-	80,000	-
367.5	127,500	127,500	-	-	-
<b>Total</b>	<b>Rs 1,537,720</b>	<b>587,600</b>	<b>50,400</b>	<b>899,720</b>	<b>-</b>
Funds provided thru Amendment #2	1,324,100	279,200	50,300	980,000	14,600
Funds provided herein:	Rs 213,620	308,400	100	(-)80,280	(-)14,600

PROAC  
CONTINUATION  
SHEET

ANNEX 1

PROJECT AGREEMENT  
BETWEEN AID AND

THE MINISTRY OF FINANCE

AN AGENCY OF THE GOVERNMENT OF  
INDIA

1. Project/Activity No.  
85-11-100-367

PAGE 3 OF 3 PAGES

2. Agreement No. 143 Amend.  
No. 3 to Suppl. No. 3

2.  Original or  
Revision No. 3 FY 70

3. Project/Activity Title

Agricultural Inputs Development

Authorization and funding for technical services and participants training proposed in the Operational Work Plan for FY 1971, attached hereto as Annex B, will be made available in FY 71, subject to the availability of funds.

All provisions and conditions of Supplement No. 3 to Project Agreement No. 143 except those modified herein will apply to this amendment also.

OPERATIONAL WORK PLAN

PROJECT TITLE : Agricultural Inputs Development  
PROJECT NUMBER : 386-11-190-367  
PERIOD : July 1, 1970 to June 30, 1971

INTRODUCTION

This Operational Work Plan provides a description of the activities contemplated under this Project. It is intended to be a guide to the implementation of the project and reflects joint preparation and the intent of signatories to this agreement. This Plan does not commit either Government until required administrative and financial clearances have been given by the appropriate authorities. Formal commitment by each Government to the specific actions required will be made by the execution of a Project Agreement.

I. BACKGROUND OF CURRENT ACTIVITY AND GOALS

This activity forms a part of the USAID agriculture activity to complement the efforts of the Government of India in the Ministry of Food and Agriculture to rapidly increase the availability and efficient utilization of essential agricultural inputs for increased agricultural production. Specifically, this project provides direct support in the area of fertilizers, seed, plant protection and agricultural machinery.

11. SPECIALIST SERVICES

A. Fertilizers

This Operational Work Plan will cover the following U.S. specialists to be assigned on Government of India request:

1 One Fertilizer Promotion Specialist will be provided to work with the Fertilizer Association of India through June, 1971. He will be stationed in New Delhi but will work throughout the country with the F.A.I. He will assist in developing statistical services, sales promotion, training and distribution and in identifying new problems and seeking their solution.

B. Seed Improvement

Four Seed Production Specialists will be requested by Government of India - one each in Seed Production and Seed Marketing and two in Seed Processing/Storage through June 1971. Out of these four, three would be working with National Seeds Corporation and one would be required for processing and storage or marketing with Tarsi Development Corporation.

Four short-term consultants may be provided as requested and required by the GOI to assist with specialised programs or projects.

C. Agricultural Machinery

One Agricultural Engineer will be attached to the Ministry through June 1971, and stationed in New Delhi, to assist with (a) evaluating, planning, and developing farm equipment and machines

suitable for use on large and small farms with special regard for mechanization of multiple and intensive cropping programs;

(b) developing farm machinery supply and distribution systems in the public and private sectors, with special reference to Center and State sponsored Agro-Industries Corporations and private manufacturer-operated farm machinery custom services/supply centers; and (c) organizing the Seminars and Training Workshops for staff of Agro-Industries Corporations and Organizations engaged in the manufacture, distribution of agricultural machinery and implements.

Four short-term consultants at the cost of USAID to be provided for 2-4 man-months each, who are specialists in different fields, for design specifications and mode of use of agricultural machinery for extensive land development; agricultural machinery custom hiring and servicing operations; parts supply; management and organization, etc

D. Plant Protection

One Entomology Training Specialist and one Pesticides Specialist are to be assigned on request through June 1971. Training Specialist will work at Central Plant Protection Training Institute, Hyderabad, Andhra Pradesh and help in the organization and conduct of training programs on pest and disease survey and warning methods. He will have to deliver lectures; hold practical training and field demonstrations on the methods of survey in

plant pests and diseases and other factors involved in their outbreaks; teach and demonstrate appropriate techniques of forecasting; emergence of plant pests, etc. and will work with plant pest and disease control personnel. Pesticides Specialist will work with Pesticides Association of India through June 1971, and although staying in New Delhi, will work throughout the country and help in pesticides formulation, distribution, marketing, sales promotion and use

### III. PARTICIPANT TRAINING

#### General

Contingent upon the availability of funds, suitable candidates, and mutual agreement, USAID will finance the costs of training for the types and numbers of participants for the periods indicated in Title 2. Kinds and numbers of participants and duration of training may be changed as agreed upon to meet changes in requirements. A periodic review will be made to review current status and projections.

#### Selection of participants

Selection of participants will be made by the Department of Agriculture, Ministry of Food & Agriculture in consultation with USAID representatives concerned. Estimated departure dates are indicated in the Table of participants.

IV. OTHER U.S. INPUTS

1. Fertilizer Promotion

In order to assist the Ministry of Food & Agriculture with the promotion and expansion of fertilizer use, USAID will assist in activities as may be mutually agreed upon to increase fertilizer distribution and sales

2. Seed Improvement

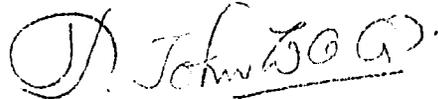
In order to assist the National Seeds Corporation with the improvement of seed production, processing and marketing, the USAID will (a) provide rupee project funds to in-service training programs, seminars, symposia and supporting demonstrations and (b) assist in preparing audio-visual materials; art work and printing.

3. Farm Machinery

In order to assist the Ministry in the area of agricultural engineering, the USAID will (i) assist in in-service training through workshops, seminars and supporting demonstrations; (ii) assist in establishing a farm equipment data reporting service; and (iii) assist in preparing tractor training manuals and related visual aids.

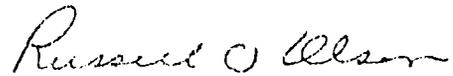
4. Plant Protection

In order to assist the plant protection specialists in training and promotional activities, the USAID will (i) provide rupee project funds for production and marketing seminars for training of industry personnel (ii) assist with a pesticide marketing survey and (iii) assist in developing an Information Reference Service, News bulletin and Handbook for the pesticides industry.



Ministry of Food, Agriculture,  
Community Development & Cooperation,  
New Delhi

Date: 12th May 1970



Office of Agricultural Development,  
U.S. Agency for International  
Development, New Delhi

Date: 12 May 1970

Table 1

TECHNICIANS

<u>Activity</u>	<u>Type of Technician &amp; No.</u>	<u>Location</u>	<u>FY 1971 No./Men-Months</u>
<u>Fertilizer</u>	Fertilizer Promotion Spec.	1 FAI, New Delhi	1/12
<u>Seed Improvement</u>	Seed Production Spec	1 NSC	1/12
	Seed Marketing Spec	1 NSC	1/12
	Seed Processing/Storage Spec	1 NSC	1/12
	Seed Processing/Storage Spec Consultants	1 TDC 4 NSC/MFA	1/12 1/12
<u>Agricultural Machinery</u>	Agricultural Engineer Consultants	1 MFA 4 MFA	1/12 4/8-16
<u>Plant Protection</u>	Entomology Training Spec. Pesticides Specialist	1 CRPTI, Hyderabad 1 FAI, New Delhi	1/12 1/12

Table 2 - Participant Training for FY 1970-71

Project & Field of Training	No. of Participants & Agencies					Duration of Training in Months	Man-Months Training (Col. 2x3)	Training Location	Estimated Departure
	MFA	FCI	FAI	IFFCO	Total				
<b>A. FERTILIZERS</b>									
1. Agronomy & Economics of Fertilizer Use	3	1	1	1	6			USA	
2. Integrated Marketing Course	1	1	2	-	4			USA	
3. Publicity, Advertising & Extension	1	1	1	1	4			USA	
4. Market Research Course	-	1	2	-	3			USA	1/71
5. Methods & Technique of Training in Fert. Marketing & Sales Promotion	1	1	1	1	4			USA	1/71
6. Quality Control	2	-	-	-	2				
7. Study Team for Eco. & Logistics of Fert. Distri.	1	1	1	-	3				
8. Soil & Plant Tissue Testing	1	-	-	-	1				
9. Cooperative Marketing	1	-	-	1	2				
10. Use of non-pressure liquid fertilizers	1	-	-	-	1				
	<u>12</u>	<u>6</u>	<u>8</u>	<u>4</u>	<u>30</u>				
<b>B. SEED IMPROVEMENT</b>									
	<u>MFA</u>	<u>NSC</u>	<u>STATES</u>	<u>Total</u>					
1. Seed Production	2			2	12	24		USA	2/71
2. Seed Processing (E)	4			4	6	24		USA	2/71
3. Seed Marketing	4			4	6	24		USA	2/71
4. Seed Storage & Pack.	4			4	6	24		USA	2/71
5. Study Team (Survey)	6			6	2	12		USA	2/71
	<u>20</u>			<u>20</u>	<u>108</u>				

Table 2 - Participant Training (Contd.)

<u>Subject &amp; Field of Training</u>	<u>No. of Participants</u>	<u>Duration of Training in Months</u>	<u>Man-Months of Training (Col. 2x3)</u>	<u>Training Location</u>	<u>Estimated Departure</u>
<u>C. AGRICULTURAL MACHINERY</u>					
1. Farm Equip., Design & Testing	2	4	8	USA	
2. Farm Equip. Demonstration & Training	2	5	10	USA	
3. Farm Machinery Production	2	4	8	USA	
4. Servicing & Parts Management	3	4	12	USA	
5. Custom Hiring	3	4	12	USA	
6. Survey/Study Team	8	2	16	USA	
	<hr/> 20		<hr/> 66		
<u>D. PLANT PROTECTION</u>					
1. Pesticides Marketing & Sales	3	3	9	USA	
2. Pest. Formulation & Production	2	4	8	USA	
3. Surveillance & Control, etc.	5	3	15	USA	
4. Aerial P.P. Detection & Control Procedures	4	3	12	USA	
5. Survey/Study Tour	2	2	4	USA	
	<hr/> 16		<hr/> 48		

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PRO AG

**PROJECT AGREEMENT**  
 BETWEEN THE DEPARTMENT OF STATE, AGENCY FOR INTERNATIONAL DEVELOPMENT, U.S.A.  
 AN AGENCY OF THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AND  
 THE MINISTRY OF FINANCE  
 AN AGENCY OF THE GOVERNMENT OF INDIA

PD-AAD-115

The above-named parties hereby mutually agree to carry out a project in accordance with the terms set forth herein and the terms set forth in any annexes attached hereto, as checked below:

- PROJECT DESCRIPTION ANNEX A       FOREIGN CURRENCY STANDARD PROVISIONS ANNEX  
 STANDARD PROVISIONS ANNEX       SPECIAL LOAN PROVISIONS ANNEX

This Project / agreement is further subject to the terms of the following agreement between the two governments, as modified and supplemented:

GENERAL AGREEMENT FOR TECHNICAL COOPERATION      DATE: Dec. 28, 1950

ECONOMIC COOPERATION AGREEMENT      DATE:

as extended June 29, 1957      DATE: Jan. 5, 1957

6. AID FINANCING:  DOLLARS       LOCAL CURRENCY      IN FEDERAL INDIAN RUPEES      DATE: 36, 1974

(a) Total	Dollars	365,780	198,700	0	567,480
(b) Contract Services/ PASA		53,600	97,900	0	148,500
(c) Commodities		0	0	0	0
(d) Other Cost/Participants		315,180	103,800	0	418,980
9. COOPERATING AGENCY: Rupee FINANCING - ENGINEER ESTABLISHMENT \$1.00 = Rs 7.60					
(a) Total		906,300	965,600*	0	1,871,900**
(b) Technical and other Services		146,300	605,600	0	751,900
(c) Commodities		0	0	0	0
(d) Other Cost/Participants		760,000	360,000	0	1,120,000

10. SPECIAL PROVISIONS (See Additional Distribution Items, if necessary)

For description of the project, see Annex A attached.

\*Equivalent to U.S. \$127,053.

\*\*Equivalent to U.S. \$246,303.

11. DATE OF ORIGINAL AGREEMENT: July 31, 1970      12. DATE OF THIS REVISION: September 29, 1970      13. ANTICIPATED FINAL CONTRIBUTION DATE: March 31, 1973

14. FOR THE COOPERATING GOVERNMENT OR AGENCY  
 SIGNATURE: Sd/- S. Santhi      DATE: 25.9.70  
 TITLE: Deputy Secretary, Min. of Finance

15. FOR THE AGENCY FOR INTERNATIONAL DEVELOPMENT  
 SIGNATURE: Sd/- Leonard J. Saccio      DATE: Sept. 29, 1970  
 TITLE: Director, U.S. A.I.D. Mission to India

21 p.

PROAG CONTINUATION SHEET  ANNEX A	PROJECT AGREEMENT BETWEEN AID AND THE MINISTRY OF FINANCE	1. Project/Activity No. 366-11-190-367	PAGE 1 OF 2 PAGES
	AN AGENCY OF THE GOVERNMENT OF INDIA	2. Agreement No. 143, Amendment No. 1 to Supplement No. 1	3. <input type="checkbox"/> Original or Revision No. 1 (FY '71)
		3. Project/Activity Title Agricultural Inputs Development	

This Project Agreement is executed pursuant to the Technical Cooperation Agreement entered into between the Governments of India and the United States of America on January 5, 1952 and is signed by the designated representatives of the two governments - S. Santhi, Deputy Secretary, Ministry of Finance of the Government of India (hereinafter referred to as the "Representative") and Leonard J. Saccio, Director of the U.S. A.I.D. Mission to India of the Agency for International Development of the Government of the United States of America (hereinafter referred to as the "Director").

Description of Project

In furtherance of the purposes and objectives of Project Agreement No. 143, as supplemented and amended, it is agreed hereby that the AID will provide further assistance as follows:

367.1 - Fertilizer

1. Participant training for 36 Indian professionals and technicians for a total of approximately 93 man-months in the various fields of fertilizer engineering and management including blending, in-depth training, and high level observation and management teams from the fertilizer industry and the related Ministry as described in the FY 1971 Operational Work Plan signed by the AID and the Ministry of Petroleum, Chemicals, Mines and Metal, attached hereto as Annex B as a guide to the implementation of the project. Estimated cost: \$103,800 and Rs 360,000.

2. Three U.S. short-term consultants for approximately 2 weeks each to assist with the planning and conducting of a Seminar on Fertilizer Plant Maintenance during November 1970. Estimated cost: \$7,500 and Rs 46,000.

367.2 - Seed Improvement

3. Technical services through June 30, 1971, for the seeds project, in accordance with the Operational Work Plan attached as Annex B with Amendment No. 3 to Supplement No. 3. Under the above-mentioned Agreement the U.S. A.I.D. provided funds to finance the services of U.S. technicians and consultants under a contract with the Mississippi State University through March 31, 1971. Additional funds are provided hereby for continuing these services through June 30, 1971. Estimated cost: \$32,000 and Rs 330,400.

PROJECT AGREEMENT BETWEEN AID AND THE MINISTRY OF FINANCE AN AGENCY OF THE GOVERNMENT OF INDIA	1. Project/Activity No. 386-11-190-367	PAGE 2 OF 3 PAGES
	2. Agreement No. 1/3, Amendment No. 1 to Supplement No. 4	3. <input type="checkbox"/> Original or Revision No. 1 (FY '71)
	3. Project/Activity Title Agricultural Inputs Development	

367.3 - Plant Protection

4. The services of a Plant Pest Control Advisor on AID staff under a contract with AID for a period of two years, who will advise AID on various programs relating to food and plant protection and rodent and pest control. He will also assist and work with the Central Government of India and the AID-sponsored Agricultural Production and Agricultural University Development teams with the State pest control programs. Estimated cost for two-year contract: \$55,400 and Rs 229,200.

The following tabulation gives the distribution of funds made available through Supplement No. 4, as amended hereby, for each sub-project:

U.S. Dollars:

Sub-Project No.	Total	Tech/Consults		Participants
		Contract	PASA	
367.1	243,050	-	10,300	232,750
367.2	121,950	32,000	-	89,950
367.3	121,080	55,400	29,800	55,880
367.4	61,400	21,000	-	40,400
Total	567,480	108,400	40,100	418,980
Funds obligated by Suppl. No. 4 (original)	368,780	21,000	32,600	315,180
Additional funds provided herein	198,700	87,400	7,500	103,800

PROAG  
CONTINUATION  
SHEET  
ANNEX A

<p>PROJECT AGREEMENT BETWEEN AND THE MINISTRY OF FINANCE AN AGENCY OF THE GOVERNMENT OF INDIA</p>	1. Project/Activity No. 386-11-190-367	PAGE 3 OF 3 PAGES
	2. Agreement No. 1/3, Amendment No. 1 to Supplement No. 4	3. <input type="checkbox"/> Original or Revision No. 1 (FY'71)
	3. Project/Activity Title Agricultural Inputs Development	

GOI Trust Fund Rupees

Sub-Project No.	Total	Techs/Conslts		Participants
		Contract	PASA	
367.1	738,300	-	78,300	660,000
367.2	530,400	330,400	-	200,000
367.3	369,200	229,200	-	140,000
367.4	234,000	114,000	-	120,000
<b>Total:</b>	<b>1,871,900</b>	<b>673,600</b>	<b>78,300</b>	<b>1,120,000</b>
Funds obligated by Supplement No. 4 (original)	906,300	114,000	32,300	760,000
Additional Funds provided herein	965,600	559,600	46,000	360,000

It further is agreed hereby that funds provided herein may be readjusted among the sub-projects and components thereof, without a formal amendment of this agreement, if such readjustment is found necessary because of subsequent re-estimation or revision of costs and/or changes in plans concerning numbers and duration of technicians, consultants and participants, subject to the proviso that the total funds provided herein may not be exceeded.

The Ministry of Petroleum, Chemicals, Mines and Metals will be responsible for the general supervision of the activities to assist the fertilizer industry as described in paragraphs numbered 1 and 2 herein above. Similarly, the Ministry of Food, Agriculture and Community Development will supervise the activities of the seed test referred to in paragraph numbered 3 herein above.

All provisions and conditions of Supplement No. 4 to Project Agreement No. 1/3, except those modified herein, will apply to this amendment also.

OPERATIONAL WORK PLAN  
(July 1, 1970 through June 30, 1971)

Project No. and Title: 386-11-190-367.1  
Agricultural Inputs Development-Fertilizer

Activity Field: Participant Training in Fertilizer Management  
and Technology

Preface:

This Operational Work Plan (OWP) provides a description of the activities contemplated under this project. It is intended to be a guide to the implementation of the project and reflects joint preparation and the intent of signatories. The Plan does not commit either Govt. until required administrative and financial clearances have been given by the appropriate authorities. Normal commitments by each Govt. to the specific actions required will be made by the execution of a Project Agreement.

1. Background

This activity forms a part of the USAID program to assist in efficient and increased production of chemical fertilizers in the country to complement the efforts of GOI for higher food production. A recent survey conducted by this Mission reveals that there has been a marked contribution by the U.S.-Returned Fertilizer Participants in the development of the fertilizer industry in the country on modern and sound lines, but it is felt that India has still to achieve a lot in this direction. The continuance of this program therefore can greatly help in raising the fertilizer production and thus assist in the country's efforts to attain self-sufficiency in food output.

## II. Goals and Preconditions

### A. Goals

Improved efficiency and increased production and availability of fertilizers for higher agricultural output.

### B. Preconditions

The Ministry of Petro-Chemicals, Mines and Metals, GOI, agrees that, on return from abroad, the officials sponsored for training will be posted to jobs where newly acquired skills and knowledge will be fully utilized.

## III. Inputs

### A. U.S.

#### Participants

During FY 1971, participant training teams are proposed with the following conditions:

- (i) USAID will make arrangements for U.S. training and bear the dollar costs of such training for all the participants under this project, and in addition bear international travel costs of government sector employees;
- (ii) The Ministry of Petro-Chemicals, Mines and Metals agrees that:
  - (a) International travel costs to and from USA for candidates from the private sector enterprises will be borne by the sponsoring organizations themselves;
  - (b) 'Local costs' including salaries for the duration of training and within-India travel will be borne by respective public and private sector sponsoring authorities;

(c) It will be the coordinating Ministry who will send all the nominations, including those from the Ministry of Iron and Steel, to the Dept. of Economic Affairs.

The details of the different teams are as follows:

A. High Level Fertilizer Management Team

The team will comprise of senior management personnel of the ranks of General Managers, Deputy General Managers and persons who are likely to be promoted to these positions in the near future, from various fertilizer projects in public, private and cooperative sectors. The objective is to improve the managerial competence and effectiveness in the Indian fertilizer industry. The participants will have an opportunity to discuss the problems and latest developments in production and management with persons having the same responsibility in the host organizations.

The team will consist of eight participants and the duration of training will be up to six week.

B. High Level Fertilizer Engineers Team

The team will consist of Chief and Senior engineers drawn from the various fertilizer plants in public, private and cooperative sectors. The participants will study the latest developments in technology and economics of fertilizer production. The emphasis will be on process technology, equipment, performance, maintenance and productivity.

The team will have eight members and the duration of training will be up to six weeks.

C. Fertilizer Industry In-Plant Training Team

Under this program, the middle-level fertilizer engineers will be placed in modern fertilizer plants in U.S. for long periods and imparted intensive in-plant training. Training is proposed in different areas of fertilizer production, viz. synthesis gas, ammonia, urea, DAP and other complex fertilizers; maintenance and construction of fertilizer plants; production-planning and control in fertilizer industry etc. The finalization of this program will depend, however, upon the facilities available for placing the participants as internees in the modern fertilizer plants in U.S.

The team will consist of four participants and duration of training will be up to 28 weeks.

D. Fertilizer Bulk Blending Team

A large scope exists for establishing Fertilizer Bulk Blending Plants in India, as a part of the Fertilizer Marketing Program. These plants will cater to the requirements of the farmers for custom-made blends of NPK.

The team under this program will consist of technical persons connected with fertilizer marketing, who will visit important Bulk Blending Plants in U.S.A. and study modern and scientific methods of Bulk Blending. These persons on their return to India will be able to set up Bulk Blending Plants for the production of NPK mixtures in accordance with the specific requirements of the farmers.

The team will consist of four persons and the duration of training will be up to five weeks.

**E. Rock Phosphate Mining and Beneficiation Team**

GOI is very keen that the recently discovered rock phosphate deposits in U.P. and Rajasthan are mined and beneficiated on modern and scientific lines at the earliest, so as to reduce the great out-flow of foreign exchange which is being spent at present for the import of this essential raw material required in the production of phosphatic fertilizers. In order to assist GOI in achieving this objective, it is proposed to send a team of mining and metallurgical engineers to U.S.A. to study the modern methods of rock phosphate mining and beneficiation.

The team will consist of four persons and the duration of training will be up to twelve weeks.

**F. Fertilizer Machinery Engineering Team**

The modern fertilizer plants already in production or which are being set up in India, contain a number of sophisticated items of machinery viz. compressors, pumps, large h.p. electric motors, instrumentation, etc. which require constant attention for smooth running. It is proposed to send a team of middle level fertilizer maintenance engineers drawn from the fertilizer industry in India for practical training with the manufacturers of various machinery items in U.S.A.

The team will consist of four persons, and the duration of the training period will be up to twelve weeks.

G. Corrosion/Water Treatment Engineers Team

Corrosion is a big problem in the fertilizer industry and can affect the production very adversely if it is not properly tackled. Similarly, the supply of hard and impure water can prove to be a big snag in achieving full production. In order to tackle these problems, it is proposed that a team of middle level engineers with necessary background from various fertilizer plants is sent to U.S.A. and placed in some modern fertilizer plants to study these problems.

The team will consist of four participants, and the duration of the training will be up to twelve weeks.

A summarization of these training programs and the allocation of participants to various organizations follows:

Field of Training	Number	Estimated duration of training (weeks)
A. High Level Management Teams	8	6
B. High Level Engineers Team	8	6
C. Industry In-Plant Training	4	28
D. Bulk Blending Team	4	5
E. Phosphate Mining and Beneficiation	4	12
F. Fertilizer Machinery	4	12
G. Corrosion/Water Treatment	4	12
	<u>36</u>	

Allocation to Various Organizations:

<u>Organization</u>	A	B	C	D	E	F	G	
FCL	2	1	1	1	1	1	2	9
FACT	-	1	1	-	-	1	2	5
Rourkela	1	-	-	-	-	-	-	1
MFL	1	1	-	1	-	-	-	3
FAL	-	-	-	1	-	-	-	1
Indian Explosives Ltd. (IEL)	1	1	-	-	-	-	-	2
Gujarat State Fertilizers Corp. (GSFC)	1	1	1	-	-	1	-	4
Coromandel	1	1	1	-	-	-	-	3
Shriram Fertilizer (Kota)	1	1	-	1	-	1	-	4
Zuari Agro-Chemicals Ltd. (Goa)	-	1	-	-	-	-	-	1
National Metallurgical Laboratory (NML)	-	-	-	-	1	-	-	1
Rajasthan Govt.	-	-	-	-	1	-	-	1
Mines and Metals Department	-	-	-	-	1	-	-	1
	8	8	4	4	4	4	4	36

*David C. Woody*

David C. Woody  
Chief Engineer  
Engineering Division  
USAID/New Delhi

September 3, 1970

*A.A. Vasisth*

A.A. Vasisth  
Under Secretary  
Ministry of Petro-Chemicals,  
Mines and Metals, GOI

September 5, 1970

PRO AG

**PROJECT AGREEMENT**  
 BETWEEN THE DEPARTMENT OF STATE, AGENCY FOR INTERNATIONAL DEVELOPMENT (AID),  
 AN AGENCY OF THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AND  
 THE MINISTRY OF FINANCE  
 AN AGENCY OF THE GOVERNMENT OF INDIA (GOI)

The above-named parties hereby mutually agree to carry out a project in accordance with the terms set forth herein and the terms set forth in any annexes attached hereto, as checked below:

- PROJECT DESCRIPTION ANNEX A     FOREIGN CURRENCY STANDARD PROVISIONS ANNEX  
 STANDARD PROVISIONS ANNEX     SPECIAL LOAN PROVISIONS ANNEX

This Project Agreement is further subject to the terms of the following agreement between the two governments, as modified and supplemented:

GENERAL AGREEMENT FOR TECHNICAL COOPERATION    DATE Dec. 28, 1950

ECONOMIC COOPERATION AGREEMENT    DATE

(to be) as extended    DATE Jan. 5, 1952  
 June 29, 1957

1. PROJECT/ACTIVITY NO. 386-11-190-367    PAGE 1 OF 1 PAGE

2. AGREEMENT NO. 143, Amendment No. 2 to Supplement No. 4    3.  ORIGINAL OR REVISION NO. 2 (FY 71)

4. PROJECT/ACTIVITY TITLE  
 Agricultural Inputs Development

5. PROJECT DESCRIPTION AND EXPLANATION  
 (See Annex A attached)

6. AID APPROPRIATION SYMBOL 72-1111004    7. AID ALLOTMENT SYMBOL 154-50-386-00-69-11  
 72FT900    147-50-386-00-69-00

8. AID FINANCING	PREVIOUS TOTAL in Year ending	INCREASE (B)	DECREASE (C)	TOTAL TO DATE (D)
<input checked="" type="checkbox"/> DOLLARS <input type="checkbox"/> LOCAL CURRENCY	June 30, 1970			
(a) Total Dollars	567,480.00	52,951.87	45,747.59	574,684.28
(b) Contract Services/PASA	148,500.00	50,226.87	0	198,726.87
(c) Commodities	0	2,725.00	0	2,725.00
(d) Other Costs/Participations	418,980.00	0	45,747.59	373,232.41
9. COOPERATING AGENCY FINANCING - LOCAL CURRENCY				
Rupee FINANCING - LOCAL CURRENCY \$1.00 = Rs 7.60				
(a) Total Rupees	1,871,900*	658,714	480,000	2,050,614**
(b) Technical and other Services	751,900	658,714	0	1,410,614
(c) Commodities	0	0	0	0
(d) Other Costs	1,120,000	0	480,000	640,000

10. SPECIAL PROVISIONS (Use Additional Continuation Sheets, if Necessary)  
 For description of project see Annex A attached.  
 \* Equivalent of U. S. \$246,303  
 \*\* Equivalent of U. S. \$269,818

11. DATE OF ORIGINAL AGREEMENT July 31, 1970    12. DATE OF THIS REVISION May 30, 1971    13. ESTIMATED FINAL CONTRIBUTION DATE March 31, 1973

14. FOR THE COOPERATING GOVERNMENT OR AGENCY  
 /3d/ S. Santhi, Deputy Secretary  
 Ministry of Finance  
 SIGNATURE: \_\_\_\_\_ DATE: 12.5.71  
 TITLE: \_\_\_\_\_

15. FOR THE AGENCY FOR INTERNATIONAL DEVELOPMENT  
 /3d/ I. Paul Oechali, Acting Director  
 U.S. A.I.D. Mission to India  
 SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 TITLE: \_\_\_\_\_

## PROJECT AGREEMENT

BETWEEN AID AND

THE MINISTRY OF FINANCE

AN AGENCY OF THE GOVERNMENT OF  
INDIA1. Project/Activity No.  
386-11-190-367

PAGE 1 OF 5 PAGES

2. Agreement No. 143, Amendment  
No. 2 to Supplement No. 43.  Original or  
Revision No. 2 (EY 71)

3. Project/Activity Title

Agricultural Inputs Development

This Supplementary Project Agreement is executed pursuant to the Technical Cooperation Agreement entered into between the Governments of India and the United States of America on January 5, 1952 and is signed by the designated representatives of the two governments - S. Senthil, Deputy Secretary, Ministry of Finance of the Government of India (hereinafter referred to as the "Representative") and L. Paul Cecheli, Acting Director of the U. S. Agency for International Development of the Government of the United States of America (hereinafter referred to as the "Director").

Description of Project

The purpose of this Amendment No. 2 to Supplement No. 4 to Project Agreement No. 143 is:

- a. To authorize the extension of U. S. specialists services in the areas of seed production, processing and marketing under contractual arrangements with the Mississippi State University through June 30, 1972 as reflected in the Operational Work Plan for U. S. FY 1972 attached herewith as Annex "B".
- b. To provide additional \$66,000 of Development Grant Funds and Rs743,000 from the GOI Trust Fund administered by the USAID to cover international travel and local support costs of the above mentioned U. S. technicians and consultants. This additional funding will carry the contract through March 31, 1972.
- c. To make adjustments (From \$418,980 and Rs1,120,000 to \$373,232.41 and Rs640,000) in the funding of participant training authorized in Supplement No. 4 and Amendment No. 1 based upon nominations received and processed as of March 31, 1971.
- d. To provide additional \$9,925 to cover shortfalls in the funding of commodities (\$2,725) pursuant to Amendment No. 2 to Supplement No. 3 to Project Agreement No. 143 and PASA Consultants (\$7,200) pursuant to Amendment No. 3 to Supplement No. 2 and Amendment No. 3 to Supplement No. 3 of Project Agreement No. 143.

PROJECT AGREEMENT  
BETWEEN AID AND

THE MINISTRY OF FINANCE

AN AGENCY OF THE GOVERNMENT OF  
INDIA

1. Project/Activity No.  
386-11-190-367

PAGE 2 OF 5 PAGES

2. Agreement No. 143, Amendment  
No. 2 to Supplement No. 4

3.  Original or  
Revision No. 2 (FY 71)

3. Project/Activity Title

Agricultural Inputs Development

e. To provide the services of two short-term consultants for approximately three-man-months each to assist in the preparation of training programs for Agro Services Centers and to prepare guidelines for the establishment of such centers. As requested by the Ministry of Agriculture, these consultant services are in lieu of a team of four consultants to assist in designing specifications and use of agricultural machinery provided for in Supplement No. 4 (Original) to Project Agreement No. 143. Accordingly, obligation of \$21,000 and Rs114,000 is now reduced to \$14,000 and Rs64,000.

f. To adjust the funding of other contract and PASA consultant services authorized by Supplement No. 4 and its Amendment No. 1 to conform to actual costs (reduction \$15,973 and Rs 34,286).

Funding of Mississippi State University Contract

Forward funding of the Mississippi State University contract is limited to the period through March 31, 1972 according to AID regulations. It is understood that any part of the funds provided herein for extension of technical services under this contract for U. S. technicians and consultants which remains unutilized as of March 31, 1972 may be used toward their cost beyond March 31, 1972. Additional funds necessary to extend the contract beyond March 31, 1972, will be provided in FY 1972 subject to the availability of funds. During the period April 1, 1971 through March 31, 1972, the U. S. technician services under this contract are estimated to total four man-years.

Participants Training

As a result of adjustments made in funding and numbers of participants in the participant training program, a total of 64 participants for a total of approximately 238 man-months have been accepted for training in the U. S. in FY 1971, distributed among the various subprojects as hereunder:

<b>PROJECT AGREEMENT</b> BETWEEN AID AND <b>THE MINISTRY OF FINANCE</b> AN AGENCY OF THE GOVERNMENT OF <b>INDIA</b>	1. Project/Activity No. 386-11 190-367	PAGE <u>3</u> OF <u>5</u> PAGES
	2. Agreement No. 133 Amendment No. 2 to Supplement No. 4	3. <input type="checkbox"/> Original or Revision No. <u>2</u> (FY 71)
	3. Project/Activity Title Agricultural Inputs Development	

Sub-Project	No. and Man-Months of Training	Cost		Addl. cost for prior yr. participants	Total (\$)
		\$	Rs		
367.1	25/116	169,190	250,000	\$31,180.00	200,370.00
367.2	"	"	"	\$4,492.41	4,492.41
367.3	25/74	109,470	250,000	"	109,470.00
367.4	14/48	58,900	140,000	"	58,900.00
<b>Total:</b>	<b>64/238</b>	<b>337,560</b>	<b>640,000</b>	<b>\$35,672.41</b>	<b>373,232.41</b>

Authorization and funding for participants training proposed for FY 1972 as described in the attached Annex "B" will be made available in FY 1972 subject to the availability of funds.

Due to current difficulties experienced in the programming of fertilizer technology and seed participants and to avoid premature obligations of funds, 36 nominations received for training in these areas (22 in fertilizer and 14 in seeds) are being held over for processing and funding in FY 1972 subject to the availability of funds. These 36 participants will be treated as part of FY 1972 program.

Overall Project Funding:

The following tabulations give the distribution of funds made available through Supplement No. 4 and its amendments:

PROJECT AGREEMENT BETWEEN AID AND THE MINISTRY OF FINANCE  AN AGENCY OF THE GOVERNMENT OF INDIA	1. Letter/Activity No. 1820-14-100-307	PAGE 4 OF 5 PAGES
	2. Agreement No. 43, Amendment No. 2 to Supplement No. 4	3. <input type="checkbox"/> Original or Revision No. 2 (EY 71)
	3. Project/Activity Title  Agricultural Inputs Development	

U.S. DOLLARS

Sub-project	Total	Tech/Consultants <sup>a/</sup>		Direct Participants	Direct Commodities
		Contract	PASA		
367.1 - Fertilizer	215,321.87	-	12,226.87	200,370.00	2,725.00
367.2 - Seed Improv.	102,492.41	98,000.00	-	4,492.41	-
367.3 - Plant Protec.	182,970.00	44,700.00	29,800.00	109,470.00	-
367.4 - Farm Imple- ments	72,900.00	14,000.00	-	58,900.00	-
Total:	571,684.28	156,700.00	42,026.87	373,232.41	2,725.00
Funds obligated by Supplement 4 & Amendment No. 1 thereto	567,480.00	108,400.00	40,100.00	418,980.00	-
Addl. Funds Provided herein:	7,204.28	48,300.00	1,926.87	(45,747.59)	2,725.00

GOI TRUST FUND RUPEES

Sub-project	Total	Tech/Consultants		Direct Participants
		Contract	PASA	
367.1 - Fertilizer	294,014	-	44,014	250,000
367.2 - Seed Improvement	1,073,400	1,073,400	-	-
367.3 - Plant Protection	479,200	229,200	-	250,000
367.4 - Farm Implements	204,000	64,000	-	140,000
Total:	2,050,614	1,366,600	44,014	640,000
Funds obligated by Supplement 4 & Amendment No. 1 thereto:	1,871,900	673,600	78,300	1,120,000
Addl. Funds Provided herein:	178,714	693,000	(34,286)	(480,000)

<sup>a/</sup>Includes approximately \$3,000 of technician support commodities.

AID 1800-1A  
(1-63)

PROAG  
CONTINUATION  
SHEET

ANNEX A

PROJECT AGREEMENT  
BETWEEN AID AND  
THE MINISTRY OF FINANCE  
AN AGENCY OF THE GOVERNMENT OF  
INDIA

1. Project/Activity No.  
386-11-190-200  
2. Agreement No. 143, Amendment  
No. 2 to Supplement No. 4  
3. Project/Activity Title  
Agricultural Inputs Development

PAGE 5 OF 5 PAGES  
3.  Original or  
Revision No. 2 (FY 71)

The Government of India will, for GOF-requested technicians, provide office space, equipment, furnishings and supplies, stenographic, secretarial translation and interpreting services and pay cost of official communications.

All provisions and conditions of Supplement No. 4 to the Project Agreement No. 143 and Amendment No. 1 thereto, except as modified above, will apply to this Amendment also.

OPERATIONAL WORK PLAN

PROJECT TITLE : Agricultural Inputs Development  
(Seeds)  
PROJECT NUMBER : 386-77-190-367.2  
PERIOD : July 1, 1971 to June 30, 1972

INTRODUCTION

This Operational Work Plan provides a description of the activities contemplated under this Project. It is intended to be a guide to the implementation of the Project and reflects joint preparation and the intent of signatories to this agreement. This Plan does not commit either Government until required administrative and financial clearances have been given by the appropriate authorities. Formal commitment by each Government to the specific actions required will be made by the execution of a Project Agreement.

I. BACKGROUND OF CURRENT ACTIVITY

This activity forms a part of the USAID agriculture activity to complement the efforts of the Government of India in the Ministry of Food, Agriculture, Community Development and Cooperation to rapidly increase the availability and efficient utilization of essential agricultural inputs for increased agricultural production. Specifically, this sub-project provides direct support to production, processing and marketing activities for seeds of improved varieties as undertaken by the National Seeds Corporation.

This Work Plan describes the program to be undertaken in the period July 1, 1971 to June 30, 1972 and indicates the project programs for the subsequent year.

## II. SPECIALIST SERVICES

Four Seed Production Specialists will be requested by the Government of India -- one each in (i) Seed Production (ii) Seed Processing and Packaging (iii) Market Intelligence and (iv) Fabrication of equipment for large sized processing plants and for seed and seed storage. The respective assignments are expected to continue through FY 1974. All specialists will be assigned to the National Seeds Corporation, however, one Fabrication of equipment for large sized processing plants for seed and seed storage specialist would be deputed to assist the Tarai Development Corporation.

Two short-term consultants may be provided as requested and required by the GOI to assist with specialized programs for projects.

## III. PARTICIPANT TRAINING

### A. General

Contingent upon the availability of funds, suitable candidates, and mutual agreement, USAID will finance the costs of training for the types and number of participants indicated in Table III. These categories may be amended to reflect changing programs as mutually agreed to by GOI and USAID.

## B. Selection of Participants

Selection of participants will be made by the Department of Agriculture, Ministry of Food, Agriculture, Community Development and Cooperation in consultation with USAID. The selected individuals will be given a pre-departure briefing, time permitting, and where possible the programs will be developed to match advancement needs of the selected individuals.

## IV. OTHER U.S. INPUTS

In order to assist the NSC with the improvement of seed production, processing and marketing; USAID will provide rupee activity funds to develop in-service training programs in the seed processing and seed marketing and also establish a demonstration unit for seed processing and pilot marketing facilities. Further assistance may be provided for (a) seminars, symposia and supporting demonstrations and (b) audio-visual material, art work and printing of training and promotional material.

## V. GOVERNMENT OF INDIA INPUTS

Standard provisions; office space, furnishings, secretarial services and counterparts for requested specialists.

TABLE I - SPECIALISTS

<u>Subject</u>	<u>Required</u> <u>1972</u>	<u>Projected</u> <u>1973</u>
Seed Processing & Packaging	1/12	1/12
Fabrication of equipment for large size processing plants for seed and seed storage (TDC)	1/12	1/12
Seed Market intelligence	1/12	1/12
Seed Production	1/12	1/12

TABLE II - CONSULTANTS

<u>Subject</u>	<u>Required</u> <u>1972</u>	<u>Projected</u> <u>1973</u>
Seed Technology	2/4	2/4

TABLE III - PARTICIPANTS

<u>Subject</u>	<u>Required</u> <u>1972</u>	<u>Projected</u> <u>1973</u>
Seed Production	2/26	2/26
Seed Processing	4/26	4/26
Seed Marketing	4/26	4/26
Seed Storage & Packaging	4/26	4/26
	<u>16/96</u>	<u>16/96</u>

Russell O. Olson  
Office of Agricultural Development  
USAID New Delhi

Date: 30 March 1971

D. N. Singh  
Ministry of Food, Agriculture  
Community Development and  
Cooperation, New Delhi

Date: 20 March 1971

PRO AG

3860367 (23)

**PROJECT AGREEMENT**  
**BETWEEN THE DEPARTMENT OF STATE, AGENCY FOR INTERNATIONAL DEVELOPMENT (AID),**  
**AN AGENCY OF THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AND**  
**THE MINISTRY OF FINANCE**  
**AN AGENCY OF THE GOVERNMENT OF INDIA (GOI)**

PD-ADD-115

The above-named parties hereby mutually agree to carry out a project in accordance with the terms set forth herein and the terms set forth in any annexes attached hereto, as checked below:

1. PROJECT ACTIVITY NO. 386-1.190-367	PAGE 1 OF 1 PAGES
2. AGREEMENT NO. 143, Supplement No. 5	3. <input checked="" type="checkbox"/> ORIGINAL OR DUPLICATION NO.
4. PROJECT/ACTIVITY TITLE	

PROJECT DESCRIPTION ANNEX A  FOREIGN CURRENCY STANDARD PROVISIONS ANNEX  
 STANDARD PROVISIONS ANNEX  SPECIAL LOAN PROVISIONS ANNEX

Agricultural Inputs Development

This Project Agreement is further subject to the terms of the following agreement between the two governments, as modified and supplemented:

GENERAL AGREEMENT FOR TECHNICAL COOPERATION DATE Dec 28, 1950

5. PROJECT DESCRIPTION AND EXPLANATION

(See Annex A attached)

ECONOMIC COOPERATION AGREEMENT DATE

(other) as extended June 29, 1957 DATE Jan 5, 1952

6. AID APPROPRIATION SYMBOL 72-1121004 72FT800	7. AID ALLOTMENT SYMBOL 254-50-386-00-69-21 147-50-386-00-69-00
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8. AID FINANCING	PREVIOUS TOTAL	INCREASE	DECREASE	TOTAL TO DATE
<input checked="" type="checkbox"/> DOLLARS <input type="checkbox"/> LOCAL CURRENCY	(A)	(B)	(C)	(D)
(a) Total Dollars	0	532,600	0	532,600
(b) Contract Services/PASA	0	29,600	0	29,600
(c) Commodities	0	0	0	0
(d) Other Costs/Participants	0	503,000	0	503,000
9. COOPERATING AGENCY FINANCING - US\$1000000000				
Rupee				
\$1.00 = Rs 7.60				
(a) Total Rupees	0	1,114,800*	0	1,114,800*
(b) Technical and other Services	0	45,300	0	45,300
(c) Commodities	0	0	0	0
(d) Other Costs/Participants	0	1,069,500	0	1,069,500

10. SPECIAL PROVISIONS (Use Additional Construction Sheets, if Necessary)

For description of project, see Annex "A" attached.

\*Equivalent of U.S. \$151,053.

11. DATE OF ORIGINAL AGREEMENT October 27, 1971	12. DATE OF THIS REVISION Not Applicable	13. ESTIMATED FINAL CONTRIBUTION DATE March 31, 1974
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14. FOR THE COOPERATING GOVERNMENT OR AGENCY  
 Sd/-  
 SIGNATURE: S. Santhi  
 TITLE: Director (TC), Ministry of Finance  
 Department of Economic Affairs  
 DATE: 23.10.71

15. FOR THE AGENCY FOR INTERNATIONAL DEVELOPMENT  
 Sd/-  
 SIGNATURE: Howard E. Houston  
 TITLE: Minister-Director  
 U.S. A.I.D. Mission to India  
 DATE: Oct 27, 1971

PRO AG CONTINUATION SHEET  ANNEX A	PROJECT AGREEMENT BETWEEN AID AID THE MINISTRY OF FINANCE AN AGENCY OF THE GOVERNMENT OF INDIA	1. Project/Activity No. 386-11-190-367	PACKAGE OF PAGES
		2. Agreement No. 143, Supplement No. 5	3. <input checked="" type="checkbox"/> Original or Revision No.
		3. Project/Activity Title Agricultural Inputs Development	

This Supplementary Project Agreement is executed pursuant to the Technical Cooperation Agreement entered into between the Governments of India and the United States of America on January 5, 1952 and is signed by the designated representatives of the two governments -- S. Santhi Director (TC), Ministry of Finance of the Government of India (hereinafter referred to as the "Representative") and Howard E. Houston, Minister-Director, U.S. Agency for International Development Mission to India of the Government of the United States of America (hereinafter referred to as the "Director").

#### Description of Project

In furtherance of the purposes and objectives of Project Agreement No. 143, as supplemented and amended, continued U.S. technical assistance will be provided during FY 1972 by A.I.D. to the Government of India, Ministry of Agriculture, in their effort to rapidly increase the agricultural production inputs as described in the Operational Work Plans attached hereto as Annexes "B", "C", "D", and "E", which will serve as a guide to the implementation of the project.

The A.I.D. technical assistance will cover the services of U.S. technicians and U.S. training opportunities for Indian personnel as detailed herein. More specifically, A.I.D. agrees hereby:

#### 367.1 - Fertilizer

- a. To continue the services of one direct-hire Fertilizer Promotion Specialist assigned to the Fertilizer Association of India.
- b. To provide training abroad for 35 Indian participants for approximately 163 man-months in the various fields of fertilizer marketing and use. Estimated cost: \$232,000, and Rs 402,500.
- c. To provide training abroad for 22 Indian participants for a total of approximately 62 man-months in the various fields of fertilizer management, engineering and technology. Nominations of these participants were received in FY 71 but were not processed due to difficulties experienced in the programming of these participants. Estimated cost: \$80,000, and Rs 253,000.

PRO AG CONTINUATION SHEET  ANNEX A	PROJECT AGREEMENT BETWEEN AID AND THE MINISTRY OF FINANCE	1. Project/Activity No. 386-11-190-367	PAGE 2 OF 4 PAGES
	AN AGENCY OF THE GOVERNMENT OF INDIA	2. Agreement No. 143, Supplement No. 5	3. <input checked="" type="checkbox"/> Original or Revision No. _____
		3. Project/Activity Title Agricultural Inputs Development	

367.2 - Seed Improvement

d. To continue to provide U.S. technical assistance in the field of seed improvement through a contract with the Mississippi State University as agreed to between the GOI and A.I.D. in Amendment No. 2 to Supplement No. 4 to Project Agreement No. 143, signed May 20, 1971.

e. To provide U.S. training for up to 18 Indian participants for a total of approximately 132 man-months in the various fields of seed production, processing, marketing, storage, packaging, technology and industry organization. Nominations of these participants were received as part of FY 1970 (4 participants) and FY 1971 (14 participants) program but were not processed due to programming difficulties. Funds for the U.S. training of 14 participants included in Annex C will be provided in FY 1973 subject to their availability. Estimated cost \$119,000 and Rs 207,000.

367.3 - Plant Protection

f. To continue the services of the Entomology Training Specialist under a participating agency service agreement to assist the Central Plant Protection Training Institute, Hyderabad, in the organization and conduct of training programs on pest and disease survey and warning methods. Estimated cost of extension through June 30, 1972: \$29,600 and Rs 45,300.

g. To continue the services of one direct-hire Pesticides Specialist to work with the Pesticides Association of India to assist in programs on pesticides formulation, distribution, marketing, sales promotion and use.

h. To continue the services of one Plant Pest Control Advisor on A.I.D. staff to advise on various programs relating to food and plant protection and rodent and pest control. This advisor will also assist and work with the Central Government of India and the A.I.D.-sponsored Agricultural Production and Agricultural Universities Development teams and with the State pest control programs. Funds for two years, under a contract, have been provided under Amendment No. 1 to Supplement No. 4 to Project Agreement No. 143.

i. To provide training abroad for up to 12 Indian participants for a total of approximately 36 man-months in the various fields of pesticides marketing formulation and production, pest surveillance, and control. Estimated cost \$49,000 and Rs 138,000.

PRO AG CONTINUATION SHEET ANNEX A	PROJECT AGREEMENT BETWEEN AID AND THE MINISTRY OF FINANCE AN AGENCY OF THE GOVERNMENT OF INDIA	1. Project/Activity No. 386-11-190-367	PAGE 3 OF 4 PAGES
		2. Agreement No. 143 Supplement No. 5	3. <input checked="" type="checkbox"/> Original or Revision No. _____
		3. Project/Activity Title Agricultural Inputs Development	

367.4 - Farm Implements

j. To provide training and observation tour approximately for up to 23 Indian participants for a total of approximately 62 man-months in the various fields of design and testing, production and management, demonstration and training, and servicing and custom hiring. Estimated cost \$89,000, Rs 264,500.

The several activities mentioned above will be coordinated by a direct-hire project manager on behalf of A.I.D. He will be located in New Delhi.

Toward the cost of implementing the above activities, A.I.D. and GOI hereby make available \$532,600 from the Development Grant funds and Rs 1,114,800 from the GOI Trust Fund administered by A.I.D., distributed as follows:

U.S. A.I.D. Dollars

Sub-Project	Total	Techs./Cons.		Direct Participants
		Contract/	PASA	
367.1 - Fertilizer	312,000	-	-	312,000
367.2 - Seed Improvement	119,000	-	-	119,000
367.3 - Plant Protection	54,600	-	29,600	25,000
367.4 - Farm Implements	47,000	-	-	47,000
<b>Total:</b>	<b>532,600</b>	<b>-</b>	<b>29,600</b>	<b>503,000</b>

G.O.I. Trust Fund Rupees

Sub-Project	Total	Techs./Cons.		Direct Participants
		Contract/	PASA	
367.1 - Fertilizer	655,500	-	-	655,500
367.2 - Seed Improvement	207,000	-	-	207,000
367.3 - Plant Protection	114,300	-	45,300	69,000
367.4 - Farm Implements	138,000	-	-	138,000
<b>Total:</b>	<b>1,114,800</b>	<b>-</b>	<b>45,300</b>	<b>1,069,500</b>

AID FORM 17 (1-70)  <b>PRO AG</b>  CONTINUATION SHEET  ANNEX A	PROJECT AGREEMENT BETWEEN AID AND THE MINISTRY OF FINANCE AN AGENCY OF THE GOVERNMENT OF INDIA	1. Project/Activity No. 386-11-190-367	PAGE NO. OF SUPPLEMENTS 3. <input checked="" type="checkbox"/> Original or Revision No. _____
		2. Agreement No. 143, Supplement No. 5	
		3. Project/Activity Title Agricultural Inputs Development	

Subject to their availability, funds for Anhydrous Ammonia Specialist (367.1), an expert in Toxicology (367.3), Agricultural Engineer (367.4) and consultants included in the attached Operational Work Plans will be provided later during the fiscal year; firm requests for these positions are yet to be received from the GOI. Due to current funding constraints for this project only partial funding, as reflected in the above table, has been provided for participants under subprojects 367.3 (Plant Protection) and 367.4 (Farm Implements). Subject to the availability of funds and the receipt of actual participants nominations for these two subprojects, additional funds will be provided later.

All provision and conditions of Supplement No. 4, as amended, will apply to this Supplement also, except as provided herein.

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OPERATIONAL WORK PLAN

Annex B

PROJECT TITLE : Agriculture Inputs Development (Fertilizer)  
PROJECT NUMBER : 385-11-190-357.1  
PERIOD : July 1, 1971 to June 30, 1972

INTRODUCTION

This Operational Work Plan provides a description of the activities contemplated under this Project. It is intended to be a guide to the implementation of the project and reflects joint preparation and the intent of signatories to this agreement. This Plan does not commit either government until required administrative and financial clearances have been given by the appropriate authorities. Formal commitment by each government to the specific actions required will be made by the execution of a Project Agreement.

1. BACKGROUND OF CURRENT ACTIVITY

This activity forms a part of the USAID agriculture activity to complement the efforts of the Government of India in the Ministry of Food, Agriculture, Community Development and Cooperation and the Ministry of Petroleum and Chemicals to rapidly increase the availability and efficient utilization of essential agricultural inputs for increased agricultural production. Specifically, this sub-project provides direct support to production, marketing and promotion of fertilizer as undertaken by the Fertilizer Association of India and other agencies.

This Work Plan describes the program to be undertaken in the period July 1, 1971 to June 30, 1972 and indicates projected program for the subsequent year.

BEST AVAILABLE COPY

## II. SPECIALIST SERVICES

One Fertilizer Promotion Specialist will be provided to work with the Fertilizer Association of India through June 1973. He will be stationed in New Delhi and will work throughout the country as required to assist the activities of the F.A.I. He will assist in the development of marketing services, sales promotion, training and in identification of new problems and appropriate solutions.

A second expert would be necessary for a period of 12 months to advise the Ministry and Indian Council of Agricultural Research on use of anhydrous ammonia.

Short term consultants may be provided as requested and required by GOI to assist with the specialized programs of this sub-project.

## III. PARTICIPANT TRAINING

### GENERAL

Contingent upon the availability of funds, suitable candidates and mutual agreement, USAID will finance the costs of training for the participant training programs enumerated in Table III. These categories may be amended to reflect changing program as mutually agreed to by GOI and USAID.

### Selection of Participants

Selection of participants will be made by the Department of Agriculture, Ministry of Food, Agriculture, Community Development and Cooperation or by the Ministry of Petroleum and Chemicals in consultation with counterpart specialists in USAID. The selected individuals will be given a pre-departure briefing, time permitting, and where possible, the program will be developed to match the advancement needs of the selected individuals.

IV. OTHER U.S. INPUTS

USAID will assist the Fertilizer Association of India with the Fertilizer Seminar, a Fertilizer Demand Study and development of prototype fertilizer, marketing and promotional programs. In-service training programs, seminars, symposia and supporting demonstrations will be developed jointly to further accomplish project objective.

V. GOVERNMENT OF INDIA INPUTS

Standard provision: office space, furnishings, secretarial services and counterparts for requested specialists.

Table I - SPECIALISTS

Subject	Required <u>1972</u>	Projected <u>1973</u>
Fertilizer Promotion	2/24 *	2/24

Table II - CONSULTANTS

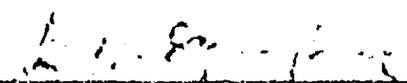
Subject	Required <u>1972</u>	Projected <u>1973</u>
Fertilizer marketing	2/8	2/8
Fertilizer Production	<u>2/8</u>	<u>2/8</u>
	4/16	4/16

\* This includes provision for one specialist in use of anhydrous Ammonia for a period of 12 months which has been included at the request of I.C.A.R.

Table DII - PARTICIPANTS

<u>Subject</u>	<u>Required 1972</u>	<u>Projected 1973</u>
Agronomy and Economics of Fertilizer Use	7/42	7/42
Integrated Marketing Course	4/24	4/24
Publicity, Advertising and Extension	5/20	5/20
Marketing Research Course	3/18	3/18
Methods and Techniques of Training in Fertilizer Marketing and Sales Promotion	5/20	5/20
Quantity Control	2/8	2/8
Study Team for Economics and Logistics of Fertilizer Dist.	3/6	3/6
Soil and Plant Tissue Testing	2/8	2/8
Cooperative Marketing	2/8	2/8
Use of non-pressure liquid fertilizers	1/4	1/4
Methods of Bulk Blending of Fertilizer	1/6	1/6
	<hr/>	<hr/>
	<u>35/164</u>	<u>35/164</u>

  
\_\_\_\_\_  
U.S. Agency for International  
Development

  
\_\_\_\_\_  
Department of Agriculture  
Ministry of Food, Agriculture,  
Community Development & Cooperation

Date: 14 April 1971

Date: 14.4.71

OPERATIONAL WORK PLAN

PROJECT TITLE : Agricultural Inputs Development  
(Seeds)  
PROJECT NUMBER : 386-11-190-367.2  
PERIOD : July 1, 1971 to June 30, 1972

INTRODUCTION

This Operational Work Plan provides a description of the activities contemplated under this Project. It is intended to be a guide to the implementation of the Project and reflects joint preparation and the intent of signatories to this agreement. This Plan does not commit either Government until required administrative and financial clearances have been given by the appropriate authorities. Formal commitment by each Government to the specific actions required will be made by the execution of a Project Agreement.

I. BACKGROUND OF CURRENT ACTIVITY

This activity forms a part of the USAID agriculture activity to complement the efforts of the Government of India in the Ministry of Food, Agriculture, Community Development and Cooperation to rapidly increase the availability and efficient utilization of essential agricultural inputs for increased agricultural production. Specifically, this sub-project provides direct support to production, processing and marketing activities for seeds of improved varieties as undertaken by the National Seeds Corporation.

This Work Plan describes the program to be undertaken in the period July 1, 1971 to June 30, 1972 and indicates the project programs for the subsequent year.

## II. SPECIALIST SERVICES

Four Seed Production Specialists will be requested by the Government of India -- one each in (i) Seed Production (ii) Seed Processing and Packaging (iii) Market intelligence and (iv) Fabrication of equipment for large sized processing plants and for seed and seed storage. The respective assignments are expected to continue through FY 1974. All specialists will be assigned to the National Seeds Corporation, however, one Fabrication of equipment for large sized processing plants for seed and seed storage specialist would be deputed to assist the Rural Development Corporation.

Two short-term consultants may be provided as requested and required by the GOI to assist with specialized programs for projects.

## III. PARTICIPANT TRAINING

### A. General

Contingent upon the availability of funds, suitable candidates, and mutual agreement, USAID will finance the costs of training for the types and number of participants indicated in Table III. These categories may be amended to reflect changing programs as mutually agreed to by GOI and USAID.

## B. Selection of Participants

Selection of participants will be made by the Department of Agriculture, Ministry of Food, Agriculture, Community Development and Cooperation in consultation with USAID. The selected individuals will be given a pre-departure briefing, time permitting, and where possible the programs will be developed to match advancement needs of the selected individuals.

## IV. OTHER U.S. INPUTS

In order to assist the NSC with the improvement of seed production, processing and marketing; USAID will provide rupee activity funds to develop in-service training program in the seed processing and seed marketing and also establish a demonstration unit for seed processing and pilot marketing facilities. Further assistance may be provided for (a) seminars, symposia and sampling demonstrations and (b) audio-visual material, art work and printing of training and promotional material.

## V. GOVERNMENT OF INDIA INPUTS

Standard provisions; office space, furnishings, secretarial services and counterparts for requested specialists.

TABLE I - SPECIALISTS

<u>Subject</u>	<u>Required 1972</u>	<u>Projected 1972</u>
Seed Processing & Packaging	1/12	1/12
Fabrication of equipment for large size processing plants for seed and seed storage (TDC)	1/12	1/12
Seed Market intelligence	1/12	1/12
Seed Production	1/12	1/12

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TABLE II - CONSULTANTS

<u>Subject</u>	<u>Required</u> <u>1972</u>	<u>Projected</u> <u>1973</u>
Seed Technology	2/4	2/4

TABLE III - PARTICIPANTS

<u>Subject</u>	<u>Required</u> <u>1972</u>	<u>Projected</u> <u>1973</u>
Seed Production	2/24	2/24
Seed Processing	4/24	4/24
Seed Marketing	4/24	4/24
Seed Storage & Packaging	4/24	4/24
	<u>14/96</u>	<u>14/96</u>

Russell O Olson

Office of Agricultural Development  
USAID/New Delhi

Date: 30 March 1971

D.N. Singh

Ministry of Food, Agriculture  
Community Development and  
Cooperation, New Delhi

Date: 30 March 1971

OPERATIONAL WORK PLAN

PROJECT TITLE : Agricultural Inputs Development  
(Plant Protection)

PROJECT NUMBER : 386-1-190-367.3

PERIOD : July 1, 1971 to June 1972

INTRODUCTION

This Operational Work Plan provides a description of the activities contemplated under this Project. It is intended to be a guide to the implementation of the project and reflects joint preparation and the intent of signatories to this agreement. This Plan does not commit either Government until required administrative and financial clearances have been given by the appropriate authorities. Formal commitment by each Government to the specific actions required will be made by the execution of a Project Agreement.

I. BACKGROUND OF CURRENT ACTIVITY

This activity forms a part of the USAID agriculture activity to complement the efforts of the Government of India in the Ministry of Food, Agriculture, Community Development and Cooperation to rapidly increase the availability and efficient utilization of essential agricultural inputs for increased agricultural production. Specifically, this sub-project provides direct support for formulation, marketing and use of pesticides as undertaken by the Pesticides Association of India and for development of disease and

insect surveillance techniques and related training programs as undertaken by the Central Plant Protection Training Institute and the Directorate of Plant Protection.

This Work Plan describes the program to be undertaken in the period July 1, 1971 to June 30, 1972 and indicates the projected program for the subsequent year.

## II. SPECIALIST SERVICES

One Pesticides Specialist, one Toxicology Expert and one Entomology Training Specialist will be assigned on request.

The Pesticides Specialist will work with the Pesticides Association of India. He will be stationed in New Delhi and will work throughout the country as required to assist in programs on pesticides formulation, distribution, marketing, sales promotion and use.

The Entomology Training Specialist will be stationed at the Central Plant Protection Training Institute, Hyderabad, A.P. and will assist in the organization and conduct of training programs on pest and disease survey and warning methods. He will deliver lectures, hold practical training and field demonstrations on the methods of survey in plant pests and diseases; teach and demonstrate appropriate techniques of pest and disease forecasting, and will work with plant pest and diseases control personnel. A Senior Toxicologist may also be assigned with the Central Plant Protection Training Institute, Hyderabad.

Short term consultants may be provided as requested and required by Government of India to assist with the specialized programs of this sub-project.

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### III. PARTICIPANT TRAINING

#### A. General

Contingent upon the availability of funds, suitable candidates and mutual agreement, USAID will finance the costs of training for the participant programs enumerated in Table III. These categories may be amended to reflect changing programs as mutually agreed to by GOI and USAID.

#### B. Selection of Participants

Selection of participants will be made by the Department of Agriculture, Ministry of Food, Agriculture, Community Development and Cooperation, in consultation with counterpart specialists in USAID. The selected individuals will be given a pre-departure briefing, time permitting, and where possible, the program will be developed to match the advancement needs of the selected individuals.

### IV. OTHER U.S. INPUTS

In order to assist the Plant Protection Specialists in training and promotional activities, the USAID will:

(1) provide rupee activity funds for a pesticide production and marketing seminar and coordinated regional workshops;

(2) assist in development of plant pest surveillance techniques and supplies; and

(3) assist in developing pesticides information reference service, a news bulletin and handbook for the pesticides industry.

Further assistance may be provided to:

- (1) In-service training programs, seminars, symposia and supporting demonstration; and
- (2) Preparation of audio-visual material, art work and printing of training and promotional material.

TABLE I - SPECIALISTS

<u>Subject</u>	<u>Required</u> <u>1972</u>	<u>Projected</u> <u>1973</u>
Pesticides Specialist	1/12	To be determined
Expert in Toxicology	1/12	To be determined
Expert in Entomology	1/12	To be determined

TABLE II - CONSULTANTS

<u>Subject</u>	<u>Required</u> <u>1972</u>	<u>Projected</u> <u>1973</u>
		To be determined

TABLE III - PARTICIPANTS

<u>Subject</u>	<u>Required</u> <u>1972</u>	<u>Projected</u> <u>1973</u>
Pesticides Marketing Formulation and Production	2/6	
Toxicology	2/12	To be determined
Pest Surveillance	4/6	
Biological Control	2/6	
Nematode Control	2/6	
	12/36	

**BEST AVAILABLE COPY**

*Prasad O. Chandra*  
Office of Agricultural Development  
USAID/New Delhi

Date: 30 March 1971

*P. Sami*  
Ministry of Food, Agriculture  
Community Development and  
Cooperation

Date: April 6 - 1971

OPERATIONAL WORK PLAN

Annex E

PROJECT TITLE : Agricultural Inputs Development  
(Farm Implements)  
PROJECT NUMBER : 386-11-190-367-4  
PERIOD : July 1, 1971 to June 30, 1972

INTRODUCTION

This Operational Work Plan provides a description of the activities contemplated under this Project. It is intended to be a guide to the implementation of this project and reflects joint preparation and the intent of signatories to this agreement. This Plan does not commit either Government until required administrative and financial clearances have been given by the appropriate authorities. Formal commitment by each Government to the specific actions required will be made by the execution of a Project Agreement.

I. BACKGROUND OF CURRENT ACTIVITY

This activity forms a part of the USAID agriculture activity to complement the efforts of the Government of India in the Ministry of Food, Agriculture, Community Development and Cooperation to rapidly increase the availability and efficient utilization of essential agricultural inputs for increased agricultural production. Specifically, this sub-project provides direct support for the Farm Machinery Section of the Department of Agriculture in development of programs to stimulate and assist the farm machinery industry.

This Work Plan describes the program to be undertaken in the period July 1, 1971 to June 30, 1972 and indicates project program for the subsequent year.

II. SPECIALIST SERVICES

A. Expert: (12 man months)

One foreign Expert will be required to assist Government of India's programs of farm machinery demonstration and training programs at Tractor Training Centres Budni and Hissar and those related to Agricultural Machinery Hiring Centres/Agro Service Centres.

The setting up of Agro-Service Centres and Machinery Hiring Centres has a high priority, and it is proposed to establish 30 Machinery Hiring Centres during the IV Plan period and about 500 Agro-Service Centres during 1971-72. The Expert will also assist in organizing Seminars/Workshops on machinery hiring, agro-service centres and farm equipment production. He will also guide and assist in compilation of training manuals and in carrying out case studies on the functioning of hiring and servicing centres.

B. Short-term Consultants: 6 (2 to 4 man months per Expert)

At the expense of USAID, 6 Consultants in batches of 2 to 3 nos. would be provided for a period of 2 to 4 months to study the existing facilities and improvements needed in;

- (a) demonstration programs,
- (b) part supply and distribution,
- (c) repair and maintenance facilities,
- (d) machinery hiring with special reference to programs of custom services in machinery hiring and establishment of agro-service centres.

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and also assist in organizing Seminars/Workshops on the above and related subjects at Budni, Hissar Centres and Agro-Industries Corporations.

III. PARTICIPANT TRAINING: 20(4 man-months each)

Training for 20 participants with emphasis on selected programs of Agricultural Machinery and Implements having a high priority as per the following details are proposed:

A. Farm Equipment Design and Testing: 1(4 man-months)

One participant from Tractor Training Centres, Budni/Hissar/3rd Training Centre.

B. Farm Equipment Demonstration & Trainings: 1(4 man-months)

One participant from Ministry of Food and Agriculture/Budni and Hissar Centres.

C. Farm Machinery Production: 3(4 man-months each)

Out of the three one each will be from Govt. of India and Agro-Industries Corporations handling production of agricultural machinery and the remaining one out of a leading manufacturer, who has done pioneering work in the manufacture of agricultural machinery (power tillage, seed-sow-fertilizer drills, threshers, potato machinery, etc.). The manufacturer to be sponsored by Agro-Industries Corporations of their respective States.

D. Servicing, Parts Management and Custom Hiring/Agro-Service Centres: 10(3 man-months each)

The participants under this program will be nominees of Govt. of India, Agro-Industries Corporations mechanized farms,

etc, the participants to be responsible for planning and organizing hiring, servicing, etc, of agricultural machinery and may also include Govt. of India's nominees from Training Centres, etc.

B. Survey/Study Teams: (3 to 2-man months)

Out of this, 5 nominees will be from Govt. of India/ Agro Industries Corporations and 3 will be from Agricultural Machinery Industry. The nominees of industry will be from small and medium sectors with foreign collaboration and are leading manufacturers in the small and medium sectors, who on their initiative have taken up design, development, production and popularization of new agricultural implements and machinery. The Team will study farm machinery production and utilization trends, programs of production, development, marketing and after-sale services having relevance to Indian conditions. Besides USA, the itinerary may include one or more other countries which would help in achieving the over-all objectives of the visit.

IV. OTHER U.S. INPUTS

In order to assist the Machinery Section with development of the farm machinery industry USAID will provide rupee project funds for a Farm Machinery Seminar, a demonstration service manual and an implement field trial program. Further assistance may be provided for in-service training programs, seminars, symposia and supporting demonstrations.

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V. GOVERNMENT OF INDIA INPUTS

Standard provisions; office space, furnishings, secretarial services, and counterparts for requested specialists.

TABLE I - SPECIALISTS

<u>Subject</u>	<u>Required</u> <u>1972</u>	<u>Projected</u> <u>1973</u>
Agricultural Engineer (Farm Machinery)	1/12	1/12

TABLE II - CONSULTANTS

<u>Subject</u>	<u>Required</u> <u>1972</u>	<u>Projected</u> <u>1973</u>
7350228	6/2	6/2

TABLE III - PARTICIPANTS

<u>Subject</u>	<u>Required</u> <u>1972</u>	<u>Projected</u> <u>1973</u>
Design and Testing	1/4	
Production and Management	3/2	
Demonstration & Training	1/4	To be determined
Servicing & Custody Hiring	0/30	
Survey/Study Team	8/2	

*Russell O. Allen*

Office of Agricultural Development  
USAID New Delhi

Date: 30 March 1971

*J. John Wood*

Ministry of Food, Agriculture  
Community Development and  
Cooperation, New Delhi

Date: 2nd April 1971

Country:

## PROJECT DATA

TABLE III

PROJECT TITLE Increased Agriculture Inputs	ACTIVITY Agriculture and Natural Resources	FUNDS TA	
PROJECT NUMBER 386-11-190-367	PRIOR REFERENCE Page 59, FY 1969 PDB	INITIAL OBLIGATION FY: 1967	SCHEDULED FINAL OBLIGATION FY: 1973

Project Target and Course of Action: The Government of India has clearly recognized the crucial role of improved seeds and adequate supplies of fertilizer, pesticides and farm implements to support significant progress in agricultural output. The Indian farmers have eagerly purchased seeds and fertilizer when these are available and the prices are right. Continued increase of output can be realized if the quality and volume of these inputs are improved or increased.

The project is being extended until FY 1973 because the task of developing and improving programs in seeds improvement, plant protection, and farm mechanization is greater than was foreseen, and because the Government of India is planning expanded programs in some of these sub-activities.

Progress to Date: U.S. advisors have helped the Government of India, the Fertilizer Association of India (private) and the Fertilizer Corporation of India (FCI) (public) in various ways including: assisting in fertilizer seminars and conferences designed to stimulate industry distribution and marketing programs; serving on the expert committee conducting a study of fertilizer credit; and planning a comprehensive all India fertilizer demand and marketing study that the FAI will do under contract to A.I.D. A major effort in the next two years will be establishing and training a staff

for a central marketing division in FCI.

In June 1968 A.I.D. signed a contract with Mississippi State University to provide a four-man team of seeds specialists to work with the National Seeds Corporation (NSC) for two years. The Chief of the group arrived in India in December and has begun his work. Initial efforts are being focused on upgrading seeds production, processing, storage and marketing capabilities of the NSC. An important longer run task will be to assist the Government in encouraging increased private sector participation by helping organize trade associations at the national and state levels.

The first annual meeting of the Indian Pest Control Association, supported by the Mission, was held in FY 1968. A program involving the use of locally fabricated steel bins to demonstrate effective rodent control storage at the farmer-village level has been prepared with the Food Department of the Government. U.S. technicians assisted the private sector with advice on the formulation of pesticides and on general matters relating to production, promotion, and use of pesticides. If the Government develops firm plans, additional U.S. advisors will be provided to assist in a country-wide education and demonstration program on rodent control.

U.S. DOLLAR COSTS (In Thousands)							PRINCIPAL CONTRACTORS/AGENCIES				
	Obligations	Expenditures	Unliquidated	Cost Components	OBLIGATIONS						
					Estimated FY 1969			Proposed FY 1970			
					Direct AID	Contract/Other Agency	Total	Direct AID	Contract/Other Agency	Total	Mississippi State Univ. U.S. Department of Agriculture (USDA)
Through 6/30/68	940	468	472								
Estimated FY 69	560	540									
Estimated through 6/30/69	1,500	1,008	492	U.S. Technicians	170	15/50	235	210	120/50	380	
		Future Year Obligations	Estimated Total Cost	Participants . . .	320	-	320	337	-	337	
				Commodities . . .	5	-	5	8	-	8	
Proposed FY 70	725	1,800	4,025	Other Costs . . .	-	-	-	-	-	-	
				Total Obligations	495	65	560	555	170	725	

3860367  
PD-AAD-115  
24

Country:

## PROJECT DATA

TABLE III

PROJECT TITLE	ACTIVITY	FUNDS	
Increased Agriculture Inputs	Agriculture and Natural Resources	TA	
PROJECT NUMBER 386-11-190-367	PRIOR REFERENCE Page 59, FY 1969 FDB	INITIAL OBLIGATION FY: 1967	SCHEDULED FINAL OBLIGATION FY: 1973

At the request of the Ministry of Food and Agriculture, the farm machinery advisor prepared a list, including a catalogue of supporting information on U.S. manufactured agricultural machines and implements suitable for use in India. This list will be used in developing agricultural machinery imports for trial use and possible manufacture by the private sector.

Encouraging progress had been made in the development of new oilseeds processing plants in the cooperative sector. With the assistance of the U.S. technician, the oilseed processing plant at Sangli has improved its plant management, increased the efficiency of oil extraction, increased total production, and operated for the first time at a profit.

During FY 1969, some 80 participants are scheduled to receive training of 4-6 months each in such areas as fertilizer credit, fertilizer statistics, seed production, processing and marketing, rodent control, grain storage, and tractor use and testing.

FY 1970 Program: U.S. experts will continue to assist in conducting demonstrations, seminars, and training programs for both public and private fertilizer organizations as well as provide advice to the Indian Government on steps needed to improve fertilizer production and distribution; work with the NSC in

increasing and improving the production, processing, storage and marketing of seeds; advise in the development of training and demonstration programs to improve grain and food storage facilities, plant protection surveillance and control activities and a nationwide training and mass education program for rodent control; and help develop and test new farm machinery and assist the nascent agricultural equipment industry.

U.S. Technicians: A total of 12 U.S. technicians: 1 coordinator; 2 direct-hire fertilizer advisors; 4 contract seed production specialists; 1 PASA entomology advisor; 1 direct-hire entomology advisor; 1 direct-hire rodent control specialist; and 2 direct-hire farm machinery engineers; 8 short-term PASA fertilizer consultants and 8 short-term direct-hire farm machinery consultants; and 1 direct-hire advisor who coordinates the program.

Participants: A total of 85 participants will be brought to the U.S. for training and observation tours. Fifty-five participants will receive 4 months training in fertilizer production, distribution marketing and sales services. Fourteen will receive 6 months training in seed production, certification, marketing and processing. Ten participants will be training for 6 months in the testing of pesticides and grain storage; 6 will study tractor use and testing in the U.S. for 9 months each.

Commodities: Demonstration materials, prototype implements, training aids and materials not available locally.

Contract: A contract of \$120,000 to fund a one-year contract for a four-man seed team.

PASA: \$50,000 to fund one full-time entomology advisor and 8 USDA fertilizer consultants for 2 months each.

AID 1880-1 (8-63)

DEPARTMENT OF STATE  
AGENCY FOR  
INTERNATIONAL DEVELOPMENT

Worksheet  Issuance PAGE 1 OF 7 PAGES

PIO/T  
ACTION  
REQUEST

PROJECT IMPLEMENTATION  
ORDER/TECHNICAL  
SERVICES

1. Cooperating Country  
INDIA

2. PIO/T No.  
386-367.3-3-10087

3. Project/Activity No. and Title  
386-11-190-367.3 PD-AAD-115  
AGRICULTURAL INPUTS DEVELOPMENT  
(Plant Protection)

4. Appropriation Symbol  
Mixed - See Block 23

5. a. Allotment Symbol & Charge  
Mixed - See Block 23

5. b. Funds Allotted to:  
 AID/W  Mission

6. Obligation Status  
 Administrative Reservation  Obligation  Funds Obligated by ProAg

7.  Original or Amendment No.:

8. No. of Technicians  
1

9. Services to Start (Mo., Day, Yr.)  
Between: Jan. '71 And: Feb. '71

10. Duration (Months)  
o. Of Services 24 b. Of Financing 24

11. a. Type of Action  
 AID Contract  Cooperating Country Contract  Participating Agency Service Agreement  Other

11. b. Authorized Agent  
AID/W

Financing	A. Previous Total	B. Increase	C. Decrease	D. Total to Date
\$1.00 = Rs. 7.60				
12. AID Financing				
a. Dollars		44,700		44,700
b. U.S.-Owned Local Currency				
13. Cooperating Country Contributions				
a. Counterpart				
b. Trust Fund (\$ Eqv.)		Rs. 229,200 (30,158)		Rs. 229,200 (30,158)

14. Mission References

SPAR #AG-70-09  
ProAg (Agrmt. No. 143, Am. #1 to Supp. #4) - Rev. 1 dtd. 9/29/70

15. Objective for which the Technical Services are to be used (Describe)

India's steady progress in increasing foodgrain production for the last 3-4 years has created optimism that she can attain self-sufficiency in foodgrains during the mid-1970s. However, a considerable amount of foodgrain is lost due to insect pests and rodents and plant diseases. Current losses are estimated at 15 to 20%. It is, therefore, imperative that appropriate measures be taken to reduce these high losses to the minimum.

India needs organizational and technical know-how to develop and carry out coordinated, effective programs to prevent excessive losses of

(Continued)

16. Mission Clearances	Date	Mission Clearances	Date

17. Date of Original Issuance  
January 12, 1971

18. Date of this Issuance  
January 12, 1971

19. For the Cooperating Country  
The terms and conditions set forth herein are hereby agreed to:

20. For the Agency for International Development

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_  
TITLE \_\_\_\_\_

*Russell Siltz*  
SIGNATURE  
Deputy Director, NESA/TECH  
TITLE

<b>PIO/T</b>	<b>DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT</b>	<input type="checkbox"/> Worksheet <input checked="" type="checkbox"/> Issuance	<b>PAGE 2 OF 7 PAGES</b>
	<b>PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES</b>	Cooperating Country <b>INDIA</b>	PIO/T No. <b>386-367.3-3-10087</b>
		Project/Activity No. and Title <b>386-11-190-367.3 AGRICULTURAL INPUTS DEVELOPMENT (Plant Protection)</b>	

**SCOPE OF WORK****21. Scope of Technical Services****A. Description**

The Plant Pest Control Advisor should be experienced in all phases of pest control matters and programs. His primary duties will include:

- (1) Assist the Directorate of Plant Protection, Quarantine and Storage, with pest control programs.
- (2) Assist the Storage and Inspection Division, Department of Food and the Food Corporation of India with protecting and safeguarding foodgrains in transit and storage.
- (3) Assist the Farm Advisory Unit of the Extension Directorate with demonstrations and other educational programs for plant and food protection and pest control.

(Continued)

**B. Technicians**

(1) <u>(a) Number</u>	(b) <u>Specialized Field</u>	(c) <u>Grade and/or Salary</u>	(d) <u>Duration of Assignment (Man-Months)</u>
1	Plant Pest Control Advisor	\$19,600 p/year	24

(2) Duty Post and Duration of Technicians' Services

New Delhi, with travel to other points in the country as and when required - two years.

(3) Access to Classified Information

Through CONFIDENTIAL.

(4) Dependents     Will     Will Not    Be Permitted to Accompany Technician

**C. Financing Costs of Technical Services**

(1) By AID - \$ 44,700

(2) By Cooperating Country - Trust Fund Rs. 229,200  
(\$ equiv. 30,158)



AID 1980-1 (8-83)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT  <b>PROJECT IMPLEMENTATION  ORDER/TECHNICAL  SERVICES</b>	<input type="checkbox"/> Worksheet <input checked="" type="checkbox"/> Issuance	PAGE 4 OF 7 PAGES
		Cooperating Country INDIA	PIO/T No. 386-367.3-3-10087
		Project/Activity No. and Title 386-11-190-367.3 AGRICULTURAL INPUTS DEVELOPMENT (Plant Protection)	

25. Reports by Supplier of Services (Indicate type, content and format of reports required, including language to be used if other than English, frequency or timing of reports and any special requirements)

Quarterly Reports.

Semi-annual Reports and others as specified by the Chief, Agricultural Inputs Division, Office of Agricultural Development, USAID/I.

End-of-Tour Report.

26. Availability of Background Information (Additional information useful to Authorized Agent and Prospective Suppliers; if necessary, cross reference Block 21.B(3) above)

USAID Agricultural Inputs Division and Technical Library; Directorate of Plant Protection, Quarantine and Storage, Storage and Inspection Division, Department of Food and the Food Corporation of India in the Ministry of Food, Agriculture, Community Development and Cooperation; and the State Department of Agriculture will provide necessary background data required by the technician.

27. Relationships of Supplier to Cooperating Country and to AID.

A. Relationships and Responsibilities

The technician will work closely with the GOI and the State Government officials concerned with pest control programs, and will coordinate his work with the Chief, Agric. Inputs Division, USAID/I.

B. Cooperating Country Liaison Official

Officials of host country agencies mentioned in Block 26 and 27-A above.

C. AID Liaison Officials

Chief, Agricultural Inputs Division, Office of Agricultural Development, USAID/India.

AID 1980-1 (8-83)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	<input type="checkbox"/> Worksheet	<input checked="" type="checkbox"/> Issuance	PAGE 5 OF 7 PAGES	
		PIO/T	PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES	Cooperating Country INDIA	PIO/T No. 386-367.3-3-10087
				Project/Activity No. and Title 386-11-190-367.3 AGRICULTURAL INPUTS DEVELOPMENT (Plant Protection)	

**LOGISTIC SUPPORT**

28. Provisions for Logistic Support		In Kind Supplied By		From Local Currency Supplied By	
		AID	Cooperating Country	AID	Trust Fund Cooperating Country
A. Specific Items (Insert "X" in applicable column at right. If entry needs qualification, insert asterisk and explain below in C. "Comments")					
	(1) Office Space	X			
	(2) Office Equipment	X			
	(3) Housing and Utilities	X			
	(4) Furniture	X			
	(5) Household Equipment (Stoves, Refrig., etc.)	X			
	(6) Transportation in Cooperating Country	X			X
	(7) Interpreter Services				
Other: (Specify)	(8) International Travel, RT, Econ.Cl.				X
	(9) 22 lbs. Excess Baggage				X
	(10) Per Diem in India				X
	(11) Allowances				X
	(12) Transportation of HHE, etc.				X
	(13) Other Costs				X
	(14)				
	(15)				

**B. Additional Facilities Available From Other Sources**

The following facilities will be authorized to the extent possible and subject to the rules and regulations applicable to USAID/India direct-hire employees:

- (1) Money Exchange facilities
- (2) Commissary privileges
- (3) State Department Pouch facilities

**C. Comments**

A total of Rs. 229,200 (equiv. of U.S. \$30,158) will be provided from the Trust Fund Account (72-FT-800, 147-50-386-00-69-00) to be used wherever applicable for payment of or reimbursement for authorized logistic support expenses.

<b>PIO/T</b>	<b>DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT</b>	<input type="checkbox"/> Worksheet <input checked="" type="checkbox"/> Issuance	PAGE 6 OF 7 PAGES
	<b>PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES</b>	Cooperating Country INDIA	PIO/T No. 386-367.3-3-10087
		Project/Activity No. and Title 386-11-190-367.3 AGRICULTURAL INPUTS DEVELOPMENT (Plant Protection)	

## FINANCIAL AGREEMENT

## 29. A. Cooperating Country Financing

Rev. #1

Pursuant to ~~PROAG~~ of the  PROAG or  Other underlying document signed on September 29, 1970 and subject to the amount shown in Block 13.D above, the Cooperating Country will provide all local currencies required for the expenditures within the country, during the period starting on the Date of this Issuance (Block 18 above) and ending on the Final Contribution Date of ~~the~~ [PROAG or other enabling document]: March 31, 1973 authorized under this Project Implementation Order, with the exception of the following types of expenditures, which AID hereby agrees to assume:

00

B. As of the effective date of any contract or agreement executed under this Order, the country will establish in the name of the supplier of the services described herein, a local currency advance in the amount of: \_\_\_\_\_

## 30. AID Financing

Pursuant to the provisions of the above-referenced Project Agreement or other document, and subject to the limitation of the Total to Date as shown in Block 12.D above, AID will provide all U.S. Dollar Currencies required for expenditures, during the period starting on the Date of this Issuance (Block 18 above), and ending on the Final Contribution Date of March 31, 1973 authorized under this Project Implementation Order, with the exception of the following types of expenditures which the Cooperating Country hereby agrees to assume:

INDIA 386-367.3-3-10087

386-11-190-367.3  
AGRICULTURAL INPUTS DEVELOPMENT  
(Plant Protection)Block 15 - Continued

foodgrains from insects, rodents, birds and other pests. The objective of this request for technical services is to provide the USAID/India with necessary staff competence to initiate, catalyze and assist the GOI, State Governments, and private agencies with pest control programs.

Block 21-A - Continued

- (4) Assist and work with specialists on the USAID-sponsored Agricultural Production and Agricultural University Development Teams with State pest control programs.
- (5) Work with and assist the USAID Plant Protection Training Advisor with educational programs at the Central Plant Protection Training Institute, Hyderabad.
- (6) Advise USAID officials on problems relating to rodent control and food protection.

Minimum Qualifications to be met by Technician

The individual selected for this assignment should have training in entomology and the biological sciences dealing with animal (insects, rodents, birds, etc.) and plant pests (weeds, fungi, bacteria, etc.). Though a Bachelor of Science degree is a minimum requirement, a post-graduate degree is preferable. He must have adequately demonstrated competence in planning, supervising, and evaluating significant plant pest control programs at the State or National level in Government or at a comparable level in private industry. He must have the temperament, capacity and inclination to work with and influence high-level government officials in program development and be able to advise and assist with planning and executing technical programs, sometimes under difficult, often hardship conditions. Fact, patience, imagination, perception, initiative, practicability, and an understanding of human relations are qualities which will contribute to his success.

DEPARTMENT OF STATE  
AGENCY FOR  
INTERNATIONAL DEVELOPMENT

1. Cooperating Country  
**INDIA**

PIO/T

2. PIO/T No.  
**386-367.3-3-10087**

3.  Original or  
Amendment No. **1**

PROJECT IMPLEMENTATION  
ORDER/TECHNICAL  
SERVICES

4. Project/Activity No. and Title  
**386-11-190-367.3**  
**AGRICULTURAL INPUTS DEVELOPMENT**  
**(Plant Protection)**

**ACTION  
REQUEST**

**27**

DISTRIBUTION:

5. Appropriation Symbol  
**Multiple - See Block 14**

6.A. Allotment Symbol and Charge  
**Multiple - See Block 14**

6.B. Funds Allotted to:  
 A.I.D./W  Mission

7. Obligation Status **Funds obligated by ProAg**  
 Administrative Reservation  Suballotment

8. Funding Period (Mo., Day, Yr.)  
From **2/8/72** to **3/1/73**

9.A. Termination Start (Mo., Day, Yr.)  
**FOI 2/8/72**

9.B. Completion date of Services  
(Mo., Day, Yr.)  
**3/1/73**

10.A. Type of Action  
 A.I.D. Contract  Cooperating Country Contract  Participating Agency Service Agreement

10.B. Authorized Agent  
**AID/W**

Estimated Financing		(1)	(2)	(3)	(4)
		Previous Total	Increase	Decrease	Total to Date
<b>\$1.00 = Rs. 7.60</b>					
11.					
Mentioned A.I.D. Financing	A. Dollars	44,700	0	0	44,700
	B. U.S.-Gruled Local Currency				
12.					
Cooperating Country Contributions	A. Country				
	Trust Fund Ref. B. Other (\$ Eq.)	229,200 (30,158)	0	49,000 (6,447)	180,200 (23,711)

13. Allusion References

SPAR # AG-70-09  
ProAg # 143,  
Amend. # 1 to  
Suppl. # 4

Appropriation	Allotment	Amount
72-1111004	154-50-386-00-69-23	\$44,700
72FT800	157-50-386-00-69-00	Rs. 180,200 (\$ Eq. 23,711)

The purpose of this Amendment to the PIO/T is to reduce rupee funds which are in excess of actual requirements for the services of Mr. Clyde R. Madsen under Personal Services Contract # AID/mesa-523, as per revised budget attached.

Except as amended herein, all other provisions of the original PIO/T remain unchanged.

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate	B. Funds for the project requested are available
AG/AS:JSEalia <i>[Signature]</i>	CO <i>[Signature]</i>
C. The scope of work fits with the services of the initiating office and approved Agency Programs	D.
DP/P:GWEvans <i>[Signature]</i>	A/PER:J.C. <i>[Signature]</i>
E. LEG <i>[Signature]</i>	F. A:DEKIdston <i>[Signature]</i>

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to	17. For the Agency for International Development	18. Date of issuance
Signature and date:	Signature: <i>[Signature]</i> <b>Howard E. Houston</b>	Jan. 27, 1972
Title:	Title: <b>Minister-Director</b>	

PIO/T No. 386-367.3-3-10087, Amend. 1

386-11-190-367.3  
 AGRICULTURAL INPUTS DEVELOPMENT  
 (Plant Protection)

REVISED RUPEE BUDGET FOR 24 MONTHS

<u>I. U.S. PERSONNEL COSTS</u>	<u>Rs.</u>	<u>Rs.</u>	<u>Rs.</u>
<u>Allowances</u>			
Quarters Allowance	18,790		
Post Differential	<u>29,450</u>	48,240	
<u>International Travel</u>			
Post Assignment	15,960		
Separation	<u>30,000</u>	<u>45,960</u>	94,200
<u>II. COMMODITIES</u>			
Equipment & Supplies			20,000
<u>III. DEMONSTRATIONS, SEMINARS, RESEARCH, ETC.</u>			30,000
<u>IV. OTHER COSTS</u>			
Within India Travel & Per Diem			36,000
	Total Requirements		<u>Rs. 180,200</u>
	Funds Provided in the Original PIO/T		Rs. 229,200
	Balance Available for Deobligation		<u>Rs. 49,000</u>

AID 1350-1 (7-71)

DEPARTMENT OF STATE  
AGENCY FOR  
INTERNATIONAL DEVELOPMENT

1. Cooperating Country  
**INDIA**

2. FIO/T No.  
**386-367.3-3-10087**

3.  Original or  
Amendment No. **2**

4. Project/Activity No. and Title  
**386-11-190-367.3**  
**AGRICULTURAL INPUTS DEVELOPMENT**  
**(Plant Protection)**

PID/T

PROJECT IMPLEMENTATION  
ORDER/TECHNICAL  
SERVICES

Page 1 of 1 Pages

DISTRIBUTION

5. Appropriation Symbol  
**Multiple - See Block 14**

6.A. Allotment Symbol and Charge  
**Multiple - See Block 14**

6.B. Funds Allotted to:  
 A.I.D./W  Mission

7. Obligation Status  
 Administrative Reservation  Implementing Document

8. Funding Period (Mo., Day, Yr.)  
From **2/8/71** To **3/15/72**

9.A. Services to Start (Mo., Day, Yr.)  
**EOD 2/8/71**

9.B. Completion Date of Services (Mo., Day, Yr.)  
**Departed post 3/15/73**

10.A. Type of Action  
 A.I.D. Contract  Cooperating Country Contract  Participating Agency Service Agreement  Other

10.B. Authorized Agent  
**AID/W**

Estimated Financing		(1)	(2)	(3)	(4)
		Previous Total	Increase	Decrease	Total to Date
<b>\$1.00 = Rs. 7.60</b>					
11. Maximum A.I.D. Financing	A. Dollars	<b>44,700</b>	<b>1,600</b>		<b>46,300</b>
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart				
	B. Trust Fund Other (\$ Eq. Rs.)	<b>180,200</b> <b>(23,711)</b>			<b>180,200</b> <b>(23,711)</b>

13. Mission Statement

14. Instructions to Authorized Agent

Appropriation	Allotment	Amount
<b>72-1121004</b>	<b>251-50-386-00-69-33</b>	<b>\$ 46,300</b>
<b>72FT800</b>	<b>147-50-386-00-69-00</b>	<b>Rs. 180,200 (\$Eq. 23,711)</b>

The purpose of this amendment is to provide shortfall in dollar funds in order to make final payment to the contractor.

Except as amended herein, all other provisions of the original FIO/T and its amendment #1 remain unchanged.

(Ref: Contract AID/Nesa-523 with Mr. Clyde R. Madsen.)

ProAg # 143,  
Amendment # 1,  
Supplement # 4.  
To be adjusted  
unilaterally.

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate  
MAG: XB

B. Funds for the services requested are available  
CO: TRM

C. The scope of work lies within the purview of the initiating and approved Agency Programs  
PD: [Signature]

D. NA/PER: [Signature] HDBrown

E. LEG: Roz

F. WFO: [Signature]  
A: [Signature]

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to

Signature and date:  
Title:

17. For the Agency for International Development  
Signature: Howard E. Houston  
Title: Minister-Director  
NSAID Mission to India

18. Date of Signature  
**June 29, 1973**

AID 1350-1 (8-70)

DEPARTMENT OF STATE  
AGENCY FOR  
INTERNATIONAL DEVELOPMENT

1. Cooperating Country  
**INDIA**

2. PID/T No.  
**386-367.3-2-20079**

3.  Original or  
Amendment No. **1**

4. Project/Activity No. and Title  
**386-11-190-367.3 PD-AAD-115**  
**AG INPUTS DEV - Plant Protection**

PIO/T

**ACTION REQUEST**

PROJECT IMPLEMENTATION  
ORDER/TECHNICAL  
SERVICES

3 p.

DISTRIBUTION

5. Appropriation Symbol  
**Multiple - See Block 13**

6.A. Allotment Symbol and Charge  
**Multiple - See Block 13**

6.B. Funds Allotted to:  
 A.I.D./W  Mission

7. Obligation Status  
 Administrative Reservation  Suballocation  
**Obligated by ProAg**

8. Funding Period (Mo., Day, Yr.)  
From **7/1/71** to **3/31/72**

9.A. Services to Start (Mo., Day, Yr.)  
**Continuing**

9.B. Completion date of Services  
(Mo., Day, Yr.)  
**3/31/72**

10.A. Type of Action  
 A.I.D. Contract  Cooperating Country Contract  Participating Agency Service Agreement Other:

10.B. Authorizing Agency  
**AID/W through Department of Agriculture PASA # NESA(AJ)-13-69**

Estimated Financing		(1)	(2)	(3)	(4)
		Previous Total	Increase	Decrease	Total to Date
11.					
Maximum A.I.D. Financing	A. Dollars	29,600	0	7,100	22,500
	B. U.S.-Demed Local Currency				
13.					
Cooperating Country Contributions	A. Country's				
	B. Trust Fund Rs. (\$ Eq.)	45,300 (5,160)	0	20,700 (2,723)	24,600 (3,237)

13. Mission Reference

ProAg # 143  
Suppl. # 5  
Amend. # 2

14. Instructions to Authorizing Agent

Appropriation	Allotment	Amount
72-1121004	254-50-386-00-69-21	\$22,500
72FT800	147-50-386-00-69-00	Rs. 24,600 (Eq. \$3,237)

The purpose of this PIO/T amendment is to reduce dollar and rupee funds in excess of estimated requirements through 3/31/72 (see NEW DELHI 611), as per details in the revised budget attached.

Except amended herein, all other provisions of the original PIO/T remain unchanged.

15. Clearances - Show Office Symbol, Signature and date for all Necessary Clearances.

A. The specific activity in the scope of work and technicality aspects  
AG/AS: *[Signature]*

B. Funds for the services requested are available  
CO: *[Signature]*

C. The scope of work lies within the preview of the initiating office and approved Agency Program  
DP/P: *[Signature]*

D. A: *[Signature]*  
A: *[Signature]*

E. LEG: *[Signature]*

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to

Signature and date:

17. For the Agency for International Development  
*[Signature]*  
Signature: **L. Paul Uechall**  
Title: **Director (A)**

18. Date of Issuance  
**March 16, 1972**

USAID/INDIA, NEW DELHI

PIO/T: 386-367.3-2-20079, Amend. 1

386-11-190-367.3

AG INPUTS DEV - Plant Protection

FY1972 PASA REVISED BUDGET - DOLLARS

Position	FC	Grade	Rate	M/M	Salary	Diff.	Total	Pers. Benefits	Int'l Travel	Trans. of Things	Total
Entomology Advisor (SEP 3/31/72)		10/5	20,120	10	16,772.51	3,019	19,793	1,342	250	775	22,160

Overhead: 15%

3,324

Total FY1972 Requirement

\$25,484

Less: Carryover from prior year PIO/T 10011

3,050

Provided under this PIO/T Amendment

\$22,434

or

\$22,500

s/ Includes one month's salary as lumpsum payment for accrued leave.

	U.S. Personnel	Commodities	Total
Inputs thru FY1971	56,580	2,000	58,580
Accrued Expenditure thru 6/30/71	<u>52,520</u>	<u>2,000</u>	<u>54,520</u>
Pipeline as of 6/30/71	3,050	-	3,050
Budget for FY1972	<u>25,500</u>	-	<u>25,500</u>
Total Provided under this PIO/T Amend.	22,450	-	22,450
or	<u>22,500</u>	-	<u>22,500</u>

PIO/T: 386-367.3-2-20079, Amend. 1

386-11-190-367.3

AG INPUTS DEV - Plant Protection

FY1972 PISA REVISED BUDGET - RUPEES

I. <u>U.S. PERSONNEL COSTS</u>	<u>Rs.</u>	<u>Rs.</u>
<u>Allowances</u>		
Quarters	8,600	
<u>International Travel</u>		
Separation	<u>31,200</u>	39,800
II. <u>OTHER COSTS</u>		
Within India Travel	12,500	
Vehicle Maintenance	9,000	
Printing & Supplies	5,000	
Miscellaneous	<u>2,700</u>	<u>29,200</u>
Total Requirement FY1972:		Rs. 69,000
Less Carryover from prior years:		<u>11,400</u>
Balance Provided under this PIO/T Amendment:		<u>Rs. 24,600</u>

	<u>U.S.</u> <u>Personnel</u>	<u>Commodities</u>	<u>DSR</u>	<u>Other</u> <u>Costs</u>	<u>Total</u>
Cum. Inputs thru FY71	48,245	5,000	20,000	61,000	134,245
Cum. Acc. Exp. thru FY71	<u>33,845</u>	<u>-</u>	<u>-</u>	<u>36,000</u>	<u>39,845</u>
Pipeline 6/30/71	(5,600)	5,000	20,000	25,000	44,400
Revised Budget for FY72	<u>39,800</u>	<u>-</u>	<u>-</u>	<u>29,200</u>	<u>69,000</u>
FY72 Funding Provided under this PIO/T Amendment	<u>45,400</u>	<u>(5,000)</u>	<u>(20,000)</u>	<u>4,200</u>	<u>24,600</u>

3860367 (27)  
PD- AAD- 115

AID 1980-1 (8-69)	<b>DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT</b>  <b>PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES</b>	<input type="checkbox"/> Worksheet	<input checked="" type="checkbox"/> Issuance	PAGE 1 OF 9 PAGES
		1. Cooperating Country INDIA	2. PIO/T No. 386-367.4-3-00110	
		3. Project/Activity No. and Title 386-11-190-367.4 AGRICULTURAL INPUTS DEVELOPMENT (Farm Implements)		

4. Appropriation Symbol Mixed - See Block 23	5. a. Allotment Symbol & Charge Mixed - See Block 23	5. b. Funds Allotted to: <input type="checkbox"/> AID/W <input checked="" type="checkbox"/> Mission		
6. Obligation Status <u>Action Request</u>		7. <input checked="" type="checkbox"/> Original or Amendment No.: _____		
<input type="checkbox"/> Administrative Reservation	<input type="checkbox"/> Obligation	<input checked="" type="checkbox"/> Funds Obligated by ProAg		
8. No. of Technicians 5	9. Services to Start (Mo., Day, Yr.) Between: 1/25/70 And: 2/15/70	10. Duration (Months) a. Of Services <u>2</u> b. Of Financing <u>2</u>		
11. a. Type of Action <input checked="" type="checkbox"/> AID Contract <input type="checkbox"/> Cooperating Country Contract <input type="checkbox"/> Participating Agency Service Agreement <input type="checkbox"/> Other				
11. b. Authorized Agent AID/W				
Financing \$1.00 = Rs. 7.60	A. Previous Total	B. Increase	C. Decrease	D. Total to Date
12. AID Financing a. Dollars		20,000		20,000
b. U.S.-Owned Local Currency				
13. Cooperating Country Contributions a. Counterpart				
Trust Fund b. Other (\$ Eqv.)		Rs. 93,300 (12,276)		Rs. 93,300 (12,276)

14. Mission  
References  
ProAg (Agrmt.  
No. 143,  
Supp. #3)  
FOAID A-433  
FOAID A-1022  
AID TO CIRC-  
A-143

15. Objective for which the Technical Services are to be used (Describe)

The Ministry of Food and Agriculture, Government of India, has placed a high priority on the development and expansion of the tractor implement industry. At present, tractor implement ownership averages 1.3 implements per tractor -- too low for efficient utilization of tractor power. The expansion in cultivation of high-yielding varieties has accelerated the demand for more timely and thorough cultivation while the returns from the increased yields have provided the resources required for investment in additional power and machinery.

(Continued)

16. Mission Clearances	Date	Mission Clearances	Date
17. Date of Original Issuance January 26, 1970		18. Date of this Issuance January 26, 1970	

19. For the Cooperating Country  
The terms and conditions set forth herein are hereby agreed to:

20. For the Agency for International Development

*Russell Ditts*

Deputy Director, NESA/TECH

SIGNATURE	DATE	SIGNATURE	TITLE
TITLE		TITLE	

AID 1380-1 (8-63)	<b>DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT</b>  <b>PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES</b>	<input type="checkbox"/> Worksheet	<input checked="" type="checkbox"/> Issuance	PAGE 2 OF 9 PAGES
		Cooperating Country INDIA		PIO/T No. 386-367.4-3-00110
		Project/Activity No. and Title 386-11-190-367.4 AGRICULTURAL INPUTS DEVELOPMENT (Farm Implements)		

**SCOPE OF WORK**

**21. Scope of Technical Services**

**A. Description**

The Consultants will be expected to tour the established farm equipment manufacturers to analyze current design, production and marketing capabilities and limitations. Their comments and recommendations will be presented and discussed during the seminar program. Each consultant will be provided a specific tour program and study assignment. The details of touring and study are presently in preparation. The Consultants' fields of specialization will be:

- (1) Combines and Grain Harvesting Machines
- (2) Potato Machinery
- (3) Seeding and Planting Machinery
- (4) Implement Demonstration and Sales Programs
- (5) Implement Parts and Service Programs

Specifically, the scope of work will be predicated on and include the following:

(Continued)

**B. Technicians**

(1) (a) Number	(b) Specialized Field	(c) Grade and/or Salary	(d) Duration of Assignment (Man-Months)
5	Farm Equipment Specialists	(See Contract)	2 each

**(2) Duty Post and Duration of Technicians' Services**

New Delhi, with travel to other points in the country as and when required.

**(3) Access to Classified Information**

None required.

**(4) Dependents**     Will     Will Not    Be Permitted to Accompany Technician

**C. Financing Costs of Technical Services**

(1) By AID - \$ 20,000

(2) By Cooperating Country - Trust Fund Rs. 93,300  
(\$ equiv. 12,276)



AID 1980-1 (8-83)	<b>DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT</b>  <b>PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES</b>	<input type="checkbox"/> Worksheet <input checked="" type="checkbox"/> Issuance	PAGE 4 OF 9 PAGES
		Cooperating Country INDIA	PIO/T No. 386-367.4-3-00110
		Project/Activity No. and Title 386-11-190-367.4 AGRICULTURAL INPUTS DEVELOPMENT (Farm Implements)	

25. Reports by Supplier of Services (Indicate type, content and format of reports required, including language to be used if other than English, frequency or timing of reports and any special requirements)

A draft copy of the Final Report of the team will be submitted to and discussed with Mission officials prior to departure of the team from India.

26. Availability of Background Information (Additional information useful to Authorized Agent and Prospective Suppliers; if necessary, cross reference Block 21.B(3) above)

The Inputs Division in the Office of Agricultural Development, USAID/I, the Technical Library, the Ministry of Food and Agriculture, and private industry will provide necessary background information.

27. Relationships of Supplier to Cooperating Country and to AID.

A. Relationships and Responsibilities

The consultants will work with the Inputs Division, USAID/I, the Farm Implements Section in the MFA, and the farm equipment manufacturing units in both public and private sectors.

B. Cooperating Country Liaison Official

Officials of the host country organizations mentioned in A. above.

C. AID Liaison Officials

Dr. Clarence C. Gray III, Chief, Inputs Division - USAID/India.

AID 1980-1 (8-63)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	<input type="checkbox"/> Worksheet	<input type="checkbox"/> Issuance	PAGE 5 OF 9 PAGES
		Cooperating Country INDIA		PIO/T No. 386-367.4-3-00110
		Project/Activity No. and Title 386-11-190-367.4 AGRICULTURAL INPUTS DEVELOPMENT (Farm Implements)		

**LOGISTIC SUPPORT**

20. Provisions for Logistic Support		In Kind Supplied By		From Local Currency Supplied By	
		AID	Cooperating Country	AID	Trust Fund Cooperating Country
A. Specific Items (Insert "X" in applicable column at right. If entry needs qualification, insert asterisk and explain below in C. "Comments")					
	(1) Office Space		X		
	(2) Office Equipment		X		
	(3) Housing and Utilities				
	(4) Furniture				
	(5) Household Equipment (Stoves, Refrig., etc.)				
	(6) Transportation in Cooperating Country	X			
	(7) Interpreter Services		X		X
Other: (Specify)	(8) International Travel, etc., Footnote				X
	(9) 22 lbs. Excess Baggage				X
	(10) Per Diem in India				X
	(11)				
	(12)				
	(13)				
	(14)				
	(15)				

**B. Additional Facilities Available From Other Sources**

The following facilities will be authorized to the extent possible and subject to the rules and regulations applicable to USAID/India direct-hire employees:

- (1) Money exchange
- (2) Commissary
- (3) State Department Pouch facilities

**C. Comments**

In accordance with the Agreement dated May 9, 1956, between the Government of India and the United States of America, the Government of India is obligated to provide or finance the following items and facilities in support of the team's work:

(Continued)

AID 1980-1 (8-63)	<b>DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT</b>  <b>PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES</b>	<input type="checkbox"/> Worksheet <input checked="" type="checkbox"/> Issuance	PAGE 6 OF 9 PAGES
		Cooperating Country INDIA	PIO/T No. 386-367.4-3-00110
		Project/Activity No. and Title 386-11-290-367.4 AGRICULTURAL INPUTS DEVELOPMENT (Farm Implements)	
FINANCIAL AGREEMENT			

29. A. Cooperating Country Financing

Pursuant to paragraph \_\_\_\_\_ of the  PROAG or  Other underlying document signed on August 29, 1969 and subject to the amount shown in Block 13.D above, the Cooperating Country will provide all local currencies required for the expenditures within the country, during the period starting on the Date of this Issuance (Block 18 above) and ending on the Final Contribution Date of ~~the~~ [PROAG or other enabling document]: March 31, 1972 authorized under this Project Implementation Order, with the exception of the following types of expenditures, which AID hereby agrees to assume:

--

B. As of the effective date of any contract or agreement executed under this Order, the country will establish in the name of the supplier of the services described herein, a local currency advance in the amount of: \_\_\_\_\_

30. AID Financing

Pursuant to the provisions of the above-referenced Project Agreement or other document, and subject to the limitation of the Total to Date as shown in Block 12.D above, AID will provide all U.S. Dollar Currencies required for expenditures, during the period starting on the Date of this Issuance (Block 18 above), and ending on the Final Contribution Date of March 31, 1972 authorized under this Project Implementation Order, with the exception of the following types of expenditures which the Cooperating Country hereby agrees to assume:

--

INDIA 386-367.4-3-00110

386-11-190-367.4

AGRICULTURAL INPUTS DEVELOPMENT  
(Farm Implements)Block 15 - Continued

A seminar on tractor implement development and production has been drawn up in support of this new agricultural priority. The purpose of this seminar will be to consider alternative courses of development and expansion in tractor implement production by established Indian farm equipment manufacturers, both public and private sectors. Investors interested in farm equipment manufacturing may attend the seminar if space permits. Short-term consultants will be utilized in this program to provide specialized analysis of some of the critical problems facing Indian industry and to discuss solution alternatives that have been successfully used in the U.S. farm equipment industry.

The seminar is scheduled to be held March 16-21, 1970. This PIO/T provides for the services of five short-term consultants under contract for a period of about two months each. They will be expected to tour and study the current industrial situation and present their comments and recommendations in seminar papers. Specific topics to be presented by these consultants have been communicated to AID/W.

Block 21-A - Continued

- (1) Combines and Grain Harvesting - Three manufacturers have begun reaper development projects and several manufacturers are producing stationery wheat and rice threshers. Farmers now are asking for higher capacity harvesting machines and equipment. Manufacturers recognize this as a commercial potential equal to tractor manufacturing, but an entirely new field of operation. Production and marketing expertise will be required, but the immediate need is for guidance in the selection of designs for production.

The consultant should have experience in design and field development of tractor-drawn and small, self-propelled combines used in the harvest of small grains. Attention must be given to prototype design; field trial planning, execution and evaluation; and market projection based upon field trial results. Emphasis should be placed on simple techniques which are adaptable to a range of soil, crop and climatic conditions.

(Continued)

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AGRICULTURAL INPUTS DEVELOPMENT  
(Farm Implements)Block 21-A - Continued

- (2) Potato Machinery - Potato cultivation has become a profitable cash crop in the Northern Gangetic Plain. Farmers are limited in expansion of acreage by available planting and harvest season labor force. Many potato farmers are tractor owners and would like to use tractor power in both critical seasons. Indian know-how is minimal in both mechanized planting and harvesting.

The consultant should have experience in design and field testing of potato seeding and harvesting machines. Attention must be given to prototype design; field trial planning, execution and evaluation; and market projections based upon the results of field trials. Emphasis should be placed on simple devices and techniques which are adaptable to extensive field use.

- (3) Seeding and Planting Machinery - Stress on better seeding and planting methods has been placed concurrently with the emphasis on the HYVs. Several Indian manufacturers have introduced local designs, but these have not become commercial successes. Improved machine performance is required -- necessitating design refinement and improvements in operational techniques. Demonstration and sales programs must also be developed to promote the proper operation and use of seeding machines. Primary interest is in wheat and maize, but interest is expected in sorghum and upland paddy.

The consultant should have experience in the design and field testing of seeding and planting machines, particularly for maize and small grains. Attention should be given to the development of feed-back communications to ensure that field problems are transferred to design modifications. The development of optional equipment and attachments for various soil, crop and climatic conditions is also an important problem area.

- (4) Implement Demonstration and Sales Programs - Thus far, the typical approach of the farm equipment industry has been to concentrate on the building of manufacturing capacity while neglecting the organization of a coordinated sales capability. Dealers do not make significant investment in pre-season machinery inventories and manufacturers have not developed promotional programs to level the seasonal peaks in demand. Commercial banking institutions have shown some interest in expansion of financial assistance, but working agreements are few and limited in coverage. The result is that many good machinery designs are moving slowly for lack of adequate commercial infrastructure.

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AGRICULTURAL INPUTS DEVELOPMENT  
(Farm Implements)Block 21-A - Continued

The consultant should concentrate on introduction of sales programs which will produce volume sales for implements that have proven commercial potential. Attention should be given to demonstration, advertising and display, inventory management and market analysis. There is need for guidance in the training of sales personnel as well as guidelines for improved sales management.

- (5) Farm Equipment Parts and Service Programs - An integral part of developing a reputation of reliability and ensuring high utilization of tractors is a good parts and service program. Most Indian manufacturers agree with this philosophy but are having difficulties in building their working organization. There is urgent need for workable business patterns of dealer franchising to improve the parts and service facilities.

The consultant should have experience in developing and supervising dealers parts and service programs. Attention must be given to dealer franchise negotiation, supervision and revision to accommodate new products and changing infrastructure. Dealers and manufacturers need guidance with improvement of parts and service facilities, management techniques, and promotional techniques to ensure good support for new products as they are introduced.

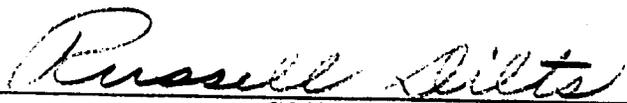
It is proposed that the consultants spend about four days in Turkey, prior to their arrival in India, which will provide them background on successful utilization of small-scale industries for fabrication of tractor implements.

Block 28-C - Continued

Suitable office space, office equipment, furnishings and supplies, stenographic, secretarial, translation, interpreting services, and technical assistance required; and the cost of official communications.

To the extent that the Government of India does not adequately provide or make reimbursement for the items listed above, USAID/India will provide or reimburse for the same.

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ID 1880-1 (8-63)  <b>PIO/T</b>	<b>DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT</b>  <b>PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES</b>	<input type="checkbox"/> Worksheet <input checked="" type="checkbox"/> Issuance	PAGE 1 OF 7 PAGES
		1. Cooperating Country INDIA	2. PIO/T No. 386-367.5-3-00096
		3. Project/Activity No. and Title 386-11-190-367.5 <b>PD-AAD-115</b> AGRICULTURAL INPUTS DEVELOPMENT (Oilseeds Processing Cooperatives)	
	4. Appropriation Symbol Mixed - See Block 23	5. a. Allotment Symbol & Charge Mixed - See Block 23	5. b. Funds Allotted to: <input type="checkbox"/> AID/W <input checked="" type="checkbox"/> Mission
	6. Obligation Status <u>Action Request</u> <input type="checkbox"/> Administrative Reservation <input type="checkbox"/> Obligation <input checked="" type="checkbox"/> Funds Obligated by PROAG		7. <input checked="" type="checkbox"/> Original or Amendment No.: _____
	8. No. of Technicians 1	9. Services to Start (Mo., Day, Yr.) Between: 9/1/69    And: 6/30/70	10. Duration (Months) a. Of Services 10    b. Of Financing 10
	11. a. Type of Action <input checked="" type="checkbox"/> AID Contract <input type="checkbox"/> Cooperating Country Contract <input type="checkbox"/> Participating Agency Service Agreement <input type="checkbox"/> Other		
	11. b. Authorized Agent <u>AID/W</u>		
	Financing \$1.00 = Rs. 7.60	A. Previous Total	B. Increase
	12. AID Financing		C. Decrease
	a. Dollars		D. Total to Date
	b. U.S.-Owned Local Currency		27,000
	13. Cooperating Country Contributions		27,000
	a. Counterpart		
	b. Trust Fund		Rs. 127,500
	Other (\$ Eqv.)		(16,776)
14. Mission References  STATE-148016  NEW DELHI- 12795 13459	15. Objective for which the Technical Services are to be used (Describe)  This PIO/T provides for the services of a U.S. technician for a period of ten months under contract with the Cooperative League of the USA (CLUSA). A request for these services has been received by the USAID from the Government of India.  India is one of the major oilseeds producing countries of the world. She is the largest producer of peanuts; second largest producer of rape, mustard and sesamum seeds; and third largest producer of cotton seed. Production and processing of oilseeds contribute significantly		
	(Continued)		
	16. Mission Clearances	Date	Mission Clearances
			Date
	17. Date of Original Issuance September 18, 1969	18. Date of this Issuance September 18, 1969	
19. For the Cooperating Country The terms and conditions set forth herein are hereby agreed to:		20. For the Agency for International Development	
_____ SIGNATURE		 SIGNATURE	
_____ DATE		Deputy Director, NESA/TECH TITLE	
_____ TITLE		_____ TITLE	

7p.

AID 1980-1 (0-88)	<b>DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT</b>	<input type="checkbox"/> Worksheet <input checked="" type="checkbox"/> Issuance	PAGE 2 OF 7 PAGES
		Cooperating Country INDIA	PIO/T No. 386-367.5-3-00096
		Project/Activity No. and Title 386-11-190-367.5 AGRICULTURAL INPUTS DEVELOPMENT (Oilseeds Processing Cooperatives)	
PIO/T	<b>PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES</b>	SCOPE OF WORK	

21. Scope of Technical Services

A. Description

The technician provided under this PIO/T will be an oilseeds processing technological engineer who has worked with cooperatives and has risen to a managerial position. Managerial experience is essential. He will have the following duties:

- (1) Training counterparts at the national level to upgrade their competency in feasibility studies, plant design and specifications, etc. This leadership at the national level is essential to assist in the development of the cooperative oilseeds processing industry.
- (2) Providing practical in-service training for local cooperative management personnel.

(Continued)

B. Technicians

(1) (a) Number	(b) Specialized Field	(c) Grade and/or Salary	(d) Duration of Assignment (Man-Months)
1	Specialist with oilseeds processing technological background and managerial experience with cooperatives	(See Task Order)	10

(2) Duty Post and Duration of Technicians' Services

New Delhi - with travel throughout the country. Mode of transportation will vary, with the use of airplanes, railroad, and automobiles, depending on the points of travel.

(3) Access to Classified Information

Through CONFIDENTIAL.

(4) Dependents     Will     Will Not    Be Permitted to Accompany Technician

C. Financing Costs of Technical Services

(1) By AID - \$ 27,000

(2) By Cooperating Country - Trust Fund Rs. 127,500 (\$ equiv. 16,776)



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		Cooperating Country INDIA	PIO/T No. 386-367.5-3-00096
		Project/Activity No. and Title 386-11-190-367.5 AGRICULTURAL INPUTS DEVELOPMENT (Oilseeds Processing Cooperatives)	

25. Reports by Supplier of Services (Indicate type, content and format of reports required, including language to be used if other than English, frequency or timing of reports and any special requirements)

Quarterly, final, and ad hoc reports - as specified by USAID and GOI.

26. Availability of Background Information (Additional information useful to Authorized Agent and Prospective Suppliers; if necessary, cross reference Block 21.B(3) above)

Mission Technical Library and files.  
 Agricultural Attache.  
 Reports, publications, books and files of the Ministry of Food and Agriculture.  
 Cooperative League of the USA.

27. Relationships of Supplier to Cooperating Country and to AID.

**A. Relationships and Responsibilities**

To provide technical advice and training to the Department of Cooperation of the Ministry of Food and Agriculture, and cooperative organization processing oilseeds.

**B. Cooperating Country Liaison Official**

Key officials in the GOI and State Governments and personnel in the cooperative sector.

**C. AID Liaison Officials**

Chief, Office of Agriculture Development - USAID/India.

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		Cooperating Country INDIA		PIO/T No. 386-367.5-3-00096
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**LOGISTIC SUPPORT**

28. Provisions for Logistic Support	In Kind Supplied By		From Local Currency Supplied By	
	AID	Cooperating Country	AID	Trust Fund Cooperating Country
A. Specific Items (Insert "X" in applicable column at right. If entry needs qualification, insert asterisk and explain below in C. "Comments")				
(1) Office Space		X		
(2) Office Equipment		X		
(3) Housing and Utilities				X
(4) Furniture	X			
(5) Household Equipment (Stoves, Refrig., etc.)	X			
(6) Transportation in Cooperating Country				X
(7) Interpreter Services		X		
Other: (Specify) (8) International Air Travel (Economy)				X
(9) Per Diem in India				X
(10) Post Allowances and Post Differential, when allowable				X
(11) Transportation of HHE				X
(12) Education Allowance				X
(13) Overhead Expenses in India				X
(14)				X
(15)				

**B. Additional Facilities Available From Other Sources**

The following facilities should be authorized to the extent possible and subject to the rules and regulations applicable to USAID direct-hire employees:

- (1) Commissary and Post Exchange
- (2) Money Exchange
- (3) State Department Pouch facility

**C. Comments**

A total of Rs. 127,500 (equiv. of U.S. \$16,776) is provided from the GOI Trust Fund (72-FT-800.1 -- 147-50-386-00-69-00) to be used wherever applicable for payment of or reimbursement for authorized logistic support costs.

International travel will be provided in accordance with Agency regulations.

AID 1380-1 (8-63)	<b>DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT</b>  <b>PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES</b>	<input type="checkbox"/> Worksheet <input checked="" type="checkbox"/> Issuance	PAGE 6 OF 7 PAGES
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**FINANCIAL AGREEMENT**

**29. A. Cooperating Country Financing**

Pursuant to paragraph \_\_\_\_\_ of the  PROAG or  Other underlying document signed on Sept. 18, 1969 \* and subject to the amount shown in Block 13.D above, the Cooperating Country will provide all local currencies required for the expenditures within the country, during the period starting on the Date of this Issuance (Block 18 above) and ending on the Final Contribution Date of the [PROAG or other enabling document]: (see ProAg) authorized under this Project Implementation Order, with the exception of the following types of expenditures, which AID hereby agrees to assume:

--

\*per NEW DELHI 13469

B. As of the effective date of any contract or agreement executed under this Order, the country will establish in the name of the supplier of the services described herein, a local currency advance in the amount of: \_\_\_\_\_

**30. AID Financing**

Pursuant to the provisions of the above-referenced Project Agreement or other document, and subject to the limitation of the Total to Date as shown in Block 12.D above, AID will provide all U.S. Dollar Currencies required for expenditures, during the period starting on the Date of this Issuance (Block 18 above), and ending on the Final Contribution Date of (see ProAg) authorized under this Project Implementation Order, with the exception of the following types of expenditures which the Cooperating Country hereby agrees to assume:

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AGRICULTURAL INPUTS DEVELOPMENT  
(Oilseeds Processing Cooperatives)Block 15 - Continued

to India's economic development. The importance of processing oilseeds properly cannot be overemphasized. This can be illustrated by the fact that the estimated annual production of 2 million tons of cotton seeds alone could yield about 350,000 tons of oil -- practically the entire requirement of the vegetable oil industry.

The oilseeds processing industry, therefore, should be given priority attention by the cooperatives. This is an industry in which the cooperatives have an opportunity to play a leading role in the development of the country and improve their position in the economy. Cooperative processing of oilseeds is bound to play a major role in the expansion of the industry in India, for the cooperative method itself will attract the cultivator into its fold and impel him to provide the essential impetus to the oil extraction industry.

The primary objective of this project is to provide assistance to the cooperative program in India in training national cooperative leadership and management personnel. Another objective is to conduct a study to determine the capability of existing organizations and the need for new ones to undertake marketing support to the movement.

Block 21-A - Continued

- (3) Assisting a study to determine the capability of existing organizations or the need for new organizations that could undertake responsibility for marketing and making available to oilseeds cooperatives information on factors which affect prices of raw material, oil, and meal.